



IVAO
FRANCE



IVAO
SPAIN

SPECIAL OPERATIONS

LETTER OF AGREEMENT

IVAO ESPAÑA & IVAO FRANCE

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1. PURPOSE

The purpose of this Letter of Agreement is to define the coordination procedures to be applied by our two divisions when they are offering Special Operations services.

The content of this agreement is approved by the concerned divisional Special Operation Departments, its application is mandatory when a user is offering ATS in any of the positions mentioned in this document and when flying under Special Operation regulations.

2. ATC PROCEDURES

Special Operations traffics and General Air traffic proceeding at the same flight level must be ensured with a minimum horizontal separation of 10 nm.

Outside Special Areas, the maximum speed is MACH 0.95 above FL100 and 350 KIAS below FL100 if it does not affect General Air Traffic.

All Special Operation Groups Flights (unarmed fighters, transports, helicopters) can fly under Operational Air Traffic procedures.

If military control station is connected, the pilot must contact the ATC and following possible instructions given.

If civilian control station is connected, the pilot must contact the ATC even if the flight is performed under OAT or military GAT. The pilot must follow possible instructions given.

Restricted areas may be crossed as long as pilots fly on the ATS routes established in the French/Spanish AIP.

Regarding transfers, traffic must be transferred as soon as possible and with a minimum of ten (10) NM before clearing the limits of the sector. In addition, in the case of transfer during climb or descent, it is advisable to transfer it 3000 feet before reaching the authorized level to maintain a continuous climb/descent. The unit that receives the traffic is forbidden to modify its route, altitude or speed until the traffic is within its Area of Responsibility, unless the dependency that has transferred the traffic approves it. Regarding the flight levels assigned between dependencies, they must be:

FROM	TO	FLIGHT LEVEL
LECB_MIL_CTR	LFBW_MIL_CTR	EVEN
LFBW_MIL_CTR	LECB_MIL_CTR	ODD
LECM_MIL_CTR	LFBW_MIL_CTR	EVEN
LFBW_MIL_CTR	LECM_MIL_CTR	ODD

If there is not military ATC, the coordination will be ensured by civilian ATC station.

3. AIR BASES

3.1. French Airbases.

IVAO France authorizes the use of the following airbases for **deployment¹**, training, refueling and emergency purposes.

AIRBASE	ICAO	FREQ	OBS.
Mont-de-Marsan Air Base	LFBM	APP: 119.700 MHz TWR: 122.100 MHz	MIL APRON
Saint-Dizier-Robinson Airbase	LFSI	APP: 134.775 MHz TWR: 134.175 MHz GND: 122.100 MHz	MIL APRON
Cognac – Châteaubernard Air Base	LFBG	APP: 132.450 MHz TWR: 120.075 MHz	MIL APRON
Orange-Caritat Airbase	LFMO	APP: 118.925 MHz TWR: 128.950 MHz	MIL APRON

3.2. Spanish Airbases.

IVAO Spain authorizes the use of the following airbases for **deployment¹**, training, refueling and emergency purposes.

AIRBASE	ICAO	FREQ	OBS.
IBERIAN PENINSULA			
Zaragoza Air Base	LEZG	<i>Add freq</i>	MIL EAST PLATFORM
Badajoz Air Base	LEBZ	<i>Add freq</i>	MIL APRON
San Javier Air Base	LELC	<i>Add freq</i>	MIL APRON
Rota Air Base	LERT	<i>Add freq</i>	Spots 38,39,22,23 Spanish North Platform
CANARY ISLANDS			
Gando Air Base	GCLP	<i>Add freq</i>	MIL APRON

¹ Deployments could not be granted for more than one week.

All the other military airbases are available for refueling or as alternate (Check AIP)

3.3. Airbases use request.

Only for simulation use – not for real operations

Some requirements are necessary to request the use of an airbase:

1. French airbases:

- Send a request via: fr-specialops@ivao.aero with the following information:
 - VSOG / FREELANCE (if SOG, numbers of members).
 - Airbase.
 - Days of use.
 - Restricted or Dangerous Areas (for training purposes).
 - Other Information (ATC request, route, SRA APP request).

2. Spanish airbases:

- Send an email to: es-specialops@ivao.aero with the following information:
 - VSOG / FREELANCE (if SOG, numbers of members).
 - Airbase
 - Days of use
 - Restricted or Dangerous Areas (for training purposes).
 - Other Information (ATC request, route, SRA APP request).

Transit flights do not need to be notified via an email (only for ATC request 2 days in advance).

Any airbases use must be requested at least 1 week before deployment/training.

4. RESTRICTED AND DANGEROUS AREAS

By agreement between IVAO PT and IVAO ES, the following Restricted areas can be used:

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Area type, activity, and identification	Conditions of use	Lateral limits	Vertical limits	Activation details
Restricted area LER63 MURCIA (ACADEMIA GENERAL DEL AIRE)	School and parachuting flights. Before entering the area, make radio contact with SAN JAVIER APP/TWR. ACFT with IFR flight plan with origin/destination MURCIA-San Javier AD or MURCIA/Aeropuerto de la Región de Murcia AD and in contact with the TWR are authorised to enter the area. Aircraft transiting via airways crossing this LER are authorised to enter	385100N0012100W-380700N 0005200W-380700N0002800W- 380300N0002300W From this point, following the line parallel to the coast at 12 NM up to 365100N0014000W-365100N0015000W-370700N0021000W-370700N0023200W-372800N0032100W-381800N0021600W-385100N0012100W	<u>FL260(1)</u> 2000AGL (1)Upper limit extendible by NOTAM to FL340.	MON - FRI: I 0630-1630 / V: 0530-1530 SAT - SUN: I 0600 - 1800 / V: 0500-1830 Other activities by NOTAM.
Restricted area LER86A BADAJOZ	Training flights. For overflight, request clearance from BADAJOZ TWR. All activities by any type of aircraft lacking communication equipment enabling contact with BADAJOZ TWR are prohibited . Aircraft transiting via airways crossing this LER are authorised to enter	390900N0065700W-390900N0061700W-383800N0061700W-383800N0071500W from this point, all along the Spanish-Portuguese border, up to 390700N0070100W-390900N0065700W.	<u>FL450</u> SFC	V: 0600-1830; I:0700-1930 Other hours according to training periods, other flights by NOTAM
Restricted area LER86B BADAJOZ	Training flights. For overflight, request clearance from BADAJOZ TWR. All activities by any type of aircraft lacking communication equipment enabling contact with BADAJOZ TWR are prohibited . Aircraft transiting via airways crossing this LER are authorised to enter	395000N0043100W-384500N0050500W-383000N0051300W-383000N0052200W-374400N0061300W-380500N0070000W from this point, all along the Spanish-Portuguese border, up to 390700N0071000W-392500N0062400W-395000N0043100W.	<u>FL240</u> 5000	V: 0600-1830; I:0700-1930 Other hours according to training periods, other flights by NOTAM
Restricted area LER86C BADAJOZ	Area designed expressly for supersonic flights by military aircraft: BTN FL370 - UN. Aircraft transiting via airways crossing this LER are authorised to enter	394800N0043800W-380100N0060500W-374900N0062400W-380500N0070000W; from this point, all along the Spanish-Portuguese border, up to 390800N0070800W-392500N0062400W-394800N0043800W.	<u>FL450</u> FL245	V: 0600-1830; I:0700-1930 Other hours according to training periods, other flights by NOTAM
Dangerous Area LED26 ALICANTE ESTE	Manageable area, Air, air-to-air firing and in-flight refuelling exercises.	365524N0000605E- 375215N0000633E-383035N0003048E- 383530N0004624E-383530N0010638E- 381258N0015124E-374334N0020721E- 365524N0000605E	<u>UNL</u> SFC	By NOTAM
Dangerous Area LED169 ALBORÁN SUPERIOR	Area designed expressly for supersonic flights by military aircraft only south of parallel 3622N and east of meridian 00400W. Air and in-flight refuelling exercises	355000N0045400W- 361224N0043816W-363811N0040344W- 363800N0015449W-355000N0020700W- 355000N0045400W.	<u>UNL</u> FL150	By NOTAM

Only for simulation use – not for real operations

Dangerous Area LED171A SIERRA CALDERONA (CASTELLÓN, TERUEL, VALENCIA)	military aircraft training.	394327N0002845W –following an arc of 6 NM radius centred on 393728N0002821W (CTR VALENCIA limit) up to 394141N0002250W- 394036N0001932W- 394611N0001528W–following an arc of 20 NM radius centred on 392922N 0002854W (TMA VALENCIA limit) up to 394837N0002301W- 394327N0002845W.	<u>2000 ft AMSL</u> SFC	MON-FRI: V: 06:00-13:00; I: 07:00-14:00 other schedules announced by NOTAM.
Dangerous Area GCD79E CANASUR (Canarias)	Manageable area. Military aircraft training.	273936N0144257W- 272419N0140635W- 250606N0154855W- 250714N0165543W- 251602N0171320W- 272150N0154118W- 271815N0152312W- 272010N0151332W- 272746N0145408W- 273936N0144257W	<u>UNL</u> 2000 ft AMSL	MON - SUN 0700-1930. Other hours according to training periods, other flights by NOTAM
Dangerous Area GCD79W CANASUR (Canarias)	Manageable area. Military aircraft training.	274352N0171947W- 274401N0171402W- 272925N0165519W- 272120N0162037W- 272218N0161059W- 252746N0173303W- 261703N0182727W- 273716N0172847W- 274352N0171947W	<u>UNL</u> 2000 ft AMSL	MON - SUN 0700-1930. Other hours according to training periods, other flights by NOTAM

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Area type, activity, and identification	Conditions of Use	Lateral limits	Vertical limits	Activation details
LF-D12	Administrator: ATLANTIQUE CCMAR. Activity known on BREST ACC. Specific Defence activities. Combat training. unmanned aircraft flights on State service.	470748N0061029W - 470939N0050339W - 474449N0043133W - 475446N0043000W - 481814N0043000W - 482533N0043000W - 484503N0050259W - 484832N0055801W - 484832N0055801W - 482432N0065139W - 480140N0065121W - 475135N0065110W - 472916N0065038W - 470748N0061029W - 474748N0061029W	UNL FL295	TUE - THU 1200 - 2100 UTC SAT - SUN 0600 - 1500 UTC On request outside these slots by NOTAM 24 hours before
LF-D33	Actual activity available on: BREST ACC/UAC. Defence specific activities unmanned aircraft flights on State service.	435439N0024344W - 453122N0022739W - 453122N0022739W - 451734N0025309W - 440444N0030147W - 435826N0025443W - 435439N0024344W - 435439N0024344W	UNL SFC	TUE - THU 1200 - 2100 UTC SAT - SUN 0600 - 1500 UTC On request outside these slots by NOTAM 24 hours before

LF-D31D	<p>Administrator CDC MARSAN. Test flights, Landes test center. Pilot's attention is drawn on the life-threatening nature of activities taking place in this area. Activity known on BORDEAUX ACC/UAC and BREST ACC/FIC/UAC.</p> <p>Machine fire. Shooting and bombardments from planes. Specific defence activities. air-to-air refuelling unmanned aircraft flights on State service.</p>	<p>433458N0014658W - 433'58N0014658W - 434239N0014658W - 434319N0014351W - 434320N0014349W - 442751N0013300W - 443023N0013248W - 443256N0013312W - 443528N0013300W - 443626N0013314W - 443744N0013323W - 443918N0013315W - 445238N0013102W - 451843N0012721W - 452427N0012719W - 452530N0012712W - 452647N0012656W - 452939N0012655W - 453339N0012552W - 453339N0015558W - 453339N0015558W - 435020N0023108W - 433458N0014858W - 433458N0014658W</p>	<p>UNL SFC</p>	<p>TUE – THU 1200 – 2100 UTC</p> <p>SAT – SUN 0600 – 1500 UTC</p> <p>On request outside these slots by NOTAM 24 hours before</p>
LF-D32	<p>Actual activity available on BREST ACC/UAC. Defence specific activities. unmanned aircraft flights on State service.</p>	<p>435020N0023108W - 453339N0015558W - 454058N0015327W - 454058N0015327W - 454200N0020755W - 453122N0022739W - 435439N0024344W - 435020N0023108W - 435020N0023108W</p>	<p>UNL SFC</p>	<p>TUE – THU 1200 – 2100 UTC</p> <p>SAT – SUN 0600 – 1500 UTC</p> <p>On request outside these slots by NOTAM 24 hours before</p>
LF-D67	<p>Parts of this area are shared with BASTIA TMA part 4. Dangerous in all flight conditions. Air navigator's attention is drawn on the life-threatening nature of activities taking place in this area. Activity announced on ZARA APP. Not AMC-manageable. Live firing AIR/AIR Air combat training. Unmanned aircraft flights on State service.</p>	<p>411358N0094159E - 413401N0104159E - 420701N0102558E - 421901N0094658E - 421759N0094159E - 421759N0094159E - 411358N0094159E - 411358N0094159E</p>	<p>FL430 SFC</p>	<p>TUE – THU 1200 – 2100 UTC</p> <p>SAT – SUN 0600 – 1500 UTC</p> <p>On request outside these slots by NOTAM 24 hours before</p>
LF-TSA 34 N	<p>Possible activation H24. Activation schedules stated in France AUP. Activity available on BORDEAUX UAC. Combat training. Defence specific activities. Unmanned aircraft State operations. Entry: IFR: Avoidance mandatory throughout activity.</p>	<p>442313N0002400E - 444629N0000231E - 444629N0000231E - 443625N0001311W - 442313N0002400E - 442313N0002400E</p>	<p>UNL FL245</p>	<p>TUE – THU 1200 – 2100 UTC</p> <p>SAT – SUN 0600 – 1500 UTC</p> <p>On request outside these slots by NOTAM 24 hours before</p>
LF-TSA 34 A	<p>Possible activation H24. Activation schedules stated in France AUP. Activity available on BORDEAUX UAC. Combat training. Defence specific activities. Unmanned aircraft State operations.</p>	<p>425609N0004409W - 434116N0002255E - 440018N0003307E - 442313N0002400E - 443625N0001311W - 443625N0001311W - 431615N0012822W - 431623N0012806W - 431559N0012618W - 431601N0012537W - 431624N0012447W - 431500N0012244W - 431440N0012254W - 431402N0012235W - 431317N0012303W - 431252N0012250W - 431139N0012311W - 431120N0012258W - 431039N0012407W - 430923N0012407W -</p>	<p>UNL FL195</p>	<p>TUE – THU 1200 – 2100 UTC</p> <p>SAT – SUN 0600 – 1500 UTC</p>

	<p>Entry:</p> <p>IFR: Avoidance mandatory throughout activity.</p>	<p>430857N0012459W - 430834N0012434W - 430742N0012451W - 430730N0012527W - 430701N0012538W - 430640N0012634W - 430627N0012626W - 430535N0012811W - 430512N0012823W - 430444N0012815W - 430246N0012628W - 430140N0012114W - 430314N0012034W - 430423N0012038W - 430451N0012023W - 430526N0012045W - 430628N0011956W - 430645N0011916W - 430705N0011612W - 430532N0011759W - 430409N0011835W - 430349N0011715W - 430318N0011615W - 430238N0011548W - 430233N0011451W - 430319N0011345W - 430157N0011051W - 430215N0011026W - 430206N0010951W - 430132N0010843W - 430027N0010830W - 430030N0010801W - 430128N0010655W - 430126N0010641W - 430052N0010607W - 430042N0010502W - 430009N0010510W - 425952N0010421W - 425931N0010135W - 425942N0010100W - 425920N0010023W - 425831N0005948W - 425814N0005852W - 425746N0005827W - 425711N0005636W - 425717N0005520W - 425749N0005451W - 425752N0005429W - 425742N0005356W - 425719N0005347W - 425717N0005231W - 425703N0005156W - 425716N0005012W - 425704N0004836W - 425751N0004717W - 425747N0004627W - 425809N0004602W - 425801N0004506W - 425609N0004409W - 425609N0004409W</p>		<p>On request outside these slots by NOTAM 24 hours before</p>
<p>LOW LEVEL NETWORK</p>	<p>LOW LEVEL NETWORK MANUAL</p>	<p>LOW LEVEL NETWORK ACTIVATION MESSAGE</p>	<p>3000ft ASFC</p> <p>SFC</p>	<p>TUE – THU 0600 – 2200 UTC</p> <p>Only active on these slots.</p>

5. PILOT PROCEDURES

5.1 Pilots operating in France

Pilots operating over the French airspace and airports are requested to know the following documentations:

1. [SO Order](#)
2. [French SO Rules](#)
3. [French MilAIP](#)

They must be registered on the French SO Order as Freelance or SOG members.

5.2 Pilots operating in Spain

Pilots operating over the Spanish airspace and airports are requested to know the following documentations:

4. SO, Order
5. Spanish AIP
6. Spanish RCAO

6. CREDITS

This document has been written in coordination between the French and Spanish Special Operations Department

7. CHANGE LOG

Version	Date	Changes
1	02/09/2022	Readback by FR-HQ and modified by FR-SO dep.