Letter of Agreement (LoA)

Bordeaux ACC (LFBB) and **Marseille ACC** (LFMM)

Name: LoA-LFBB-LFMM_EN

Date: March 19, 2026

Version: v7.0

Validity: Permanent

INDEX

1.   Purpose

The purpose of this Letter of Agreement (LoA) is to define the coordination procedures to be applied between **Bordeaux ACC** and **Marseille ACC** when providing Air Traffic Services (ATS) under IFR or VFR flight rules.

The content of the agreement is approved by the concerned ATC Operations Department and FIR Chiefs and its application is mandatory for all IVAO members providing ATS within an active position concerned by this LoA.

2.   Areas of Responsibility

2.1. Airspace structure and classification within the Area of Common Interest

2.1.1. LFBB FIR/UIR

Area	Vertical Limits	Airspace Classification
UIR	Above FL660	G
	FL195/FL660	C
FIR	FL115/FL195	D
	AGL-AMSL/FL115	G outside other classified airspace

2.1.2. LFMM FIR/UIR

Area	Vertical Limits	Airspace Classification
UIR	Above FL660	G
	FL195/FL660	C
FIR	FL115/FL195	D
	AGL-AMSL/FL115	G outside other classified airspace

2.2. Sectorisation within the Area of Common Interest

<u>2.2.1. LFBB ACC</u>
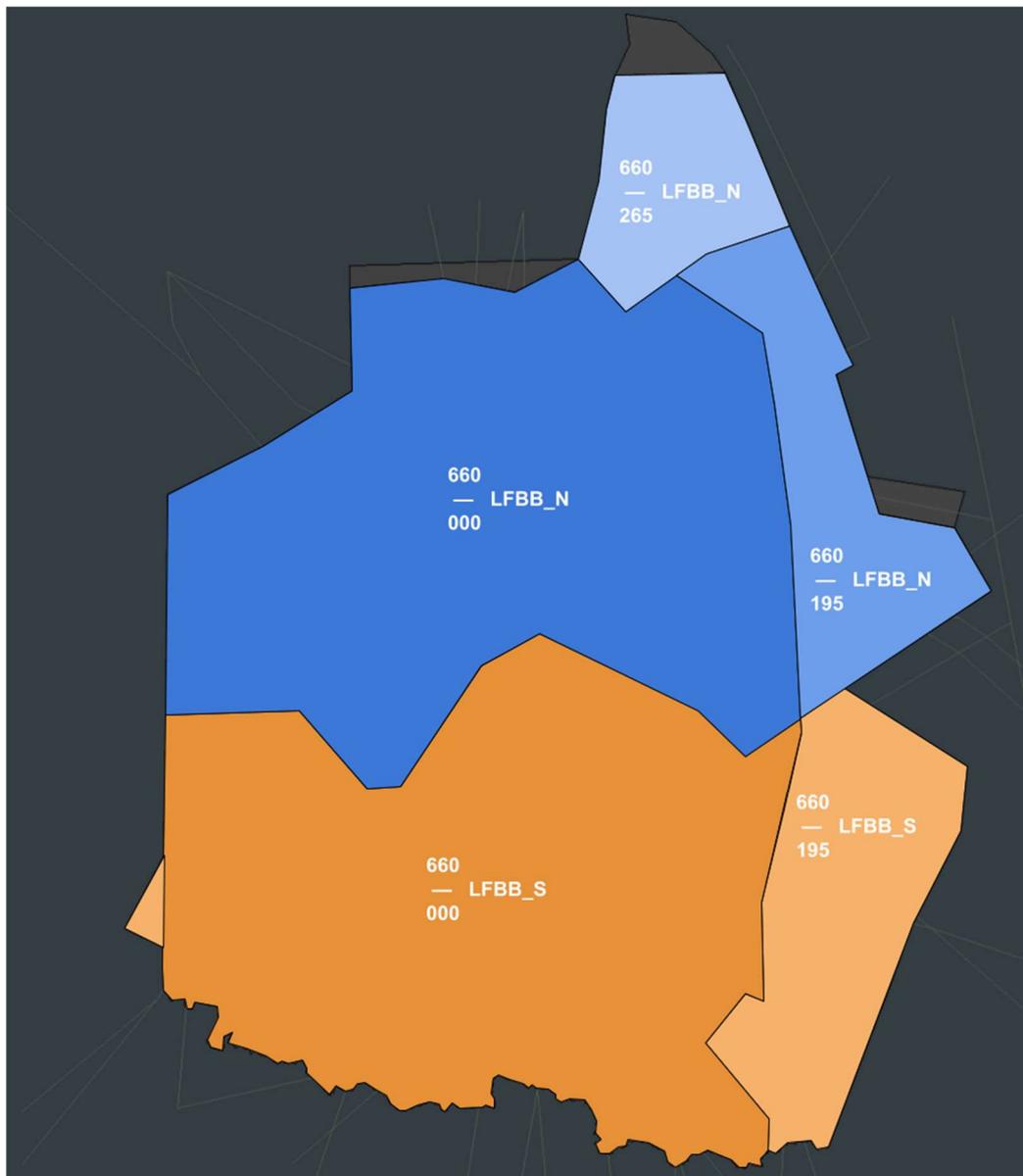
The Bordeaux upper airspace sectorisation is described on the picture above. In the lower airspace, the boundary is the FIR boundary.

The positions concerned by this LoA are the following:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Bordeaux Control	LFBB_CTR	130.230	
Secondary Sectors			
Bordeaux Control	LFBB_N_CTR	134.255	
Bordeaux Control	LFBB_S_CTR	126.130	

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2.2.2. Toulouse APP

Toulouse APP Area of Responsibility is depicted by the picture below from SFC to FL145.
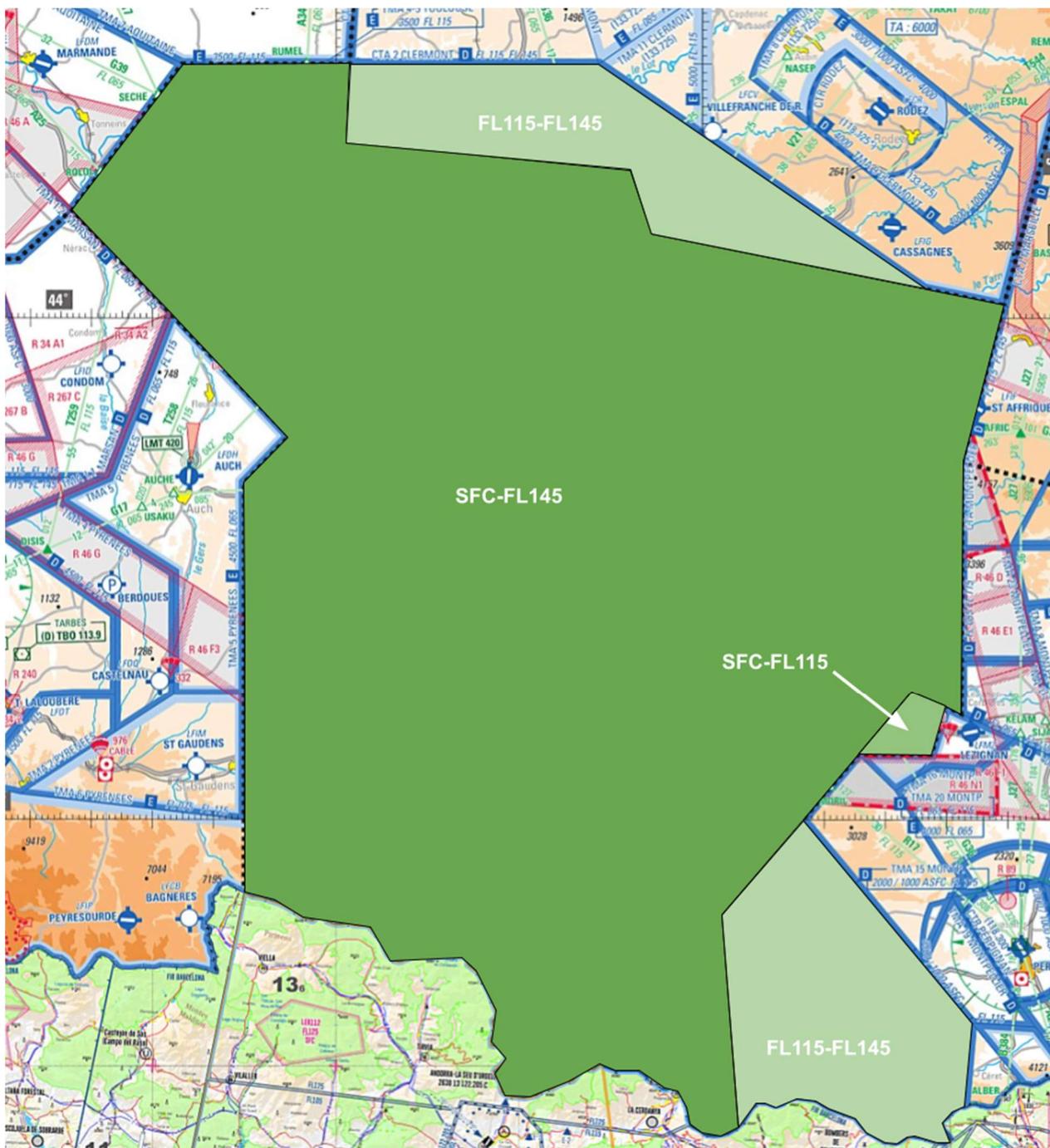
There is only one primary position in charge of Toulouse APP airspace:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Toulouse Approach	LFBO_APP	129.305	

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2.2.3. Limoges APP

Limoges APP Area of Responsibility is depicted by the picture below from SFC to FL145.
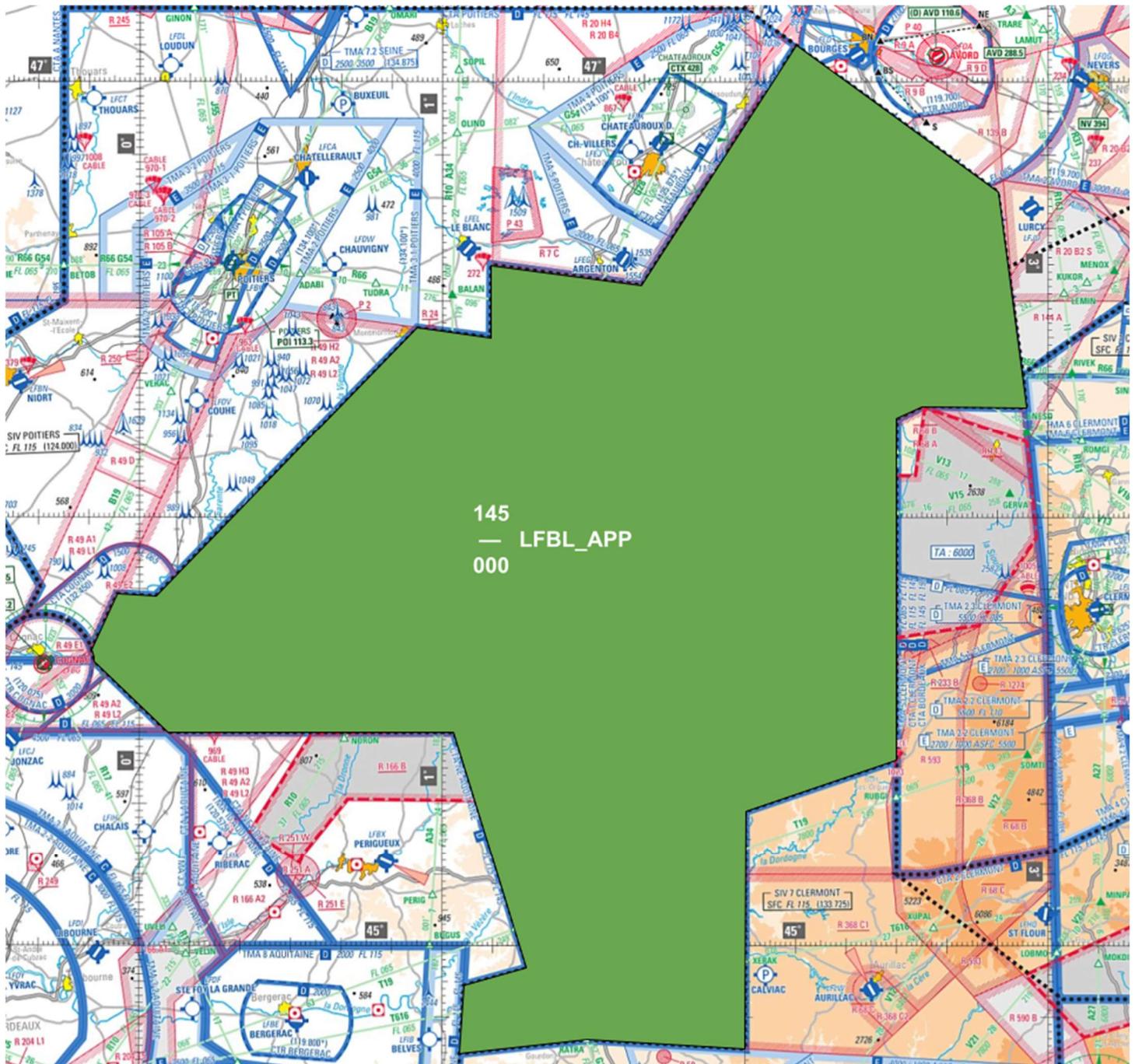
There is only one primary position in charge of Limoges APP airspace:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Limoges Approach	LFBL_APP	118.080	

2.2.4 Aquitaine APP

Aquitaine APP Area of Responsibility is depicted by the picture below from SFC to FL145.
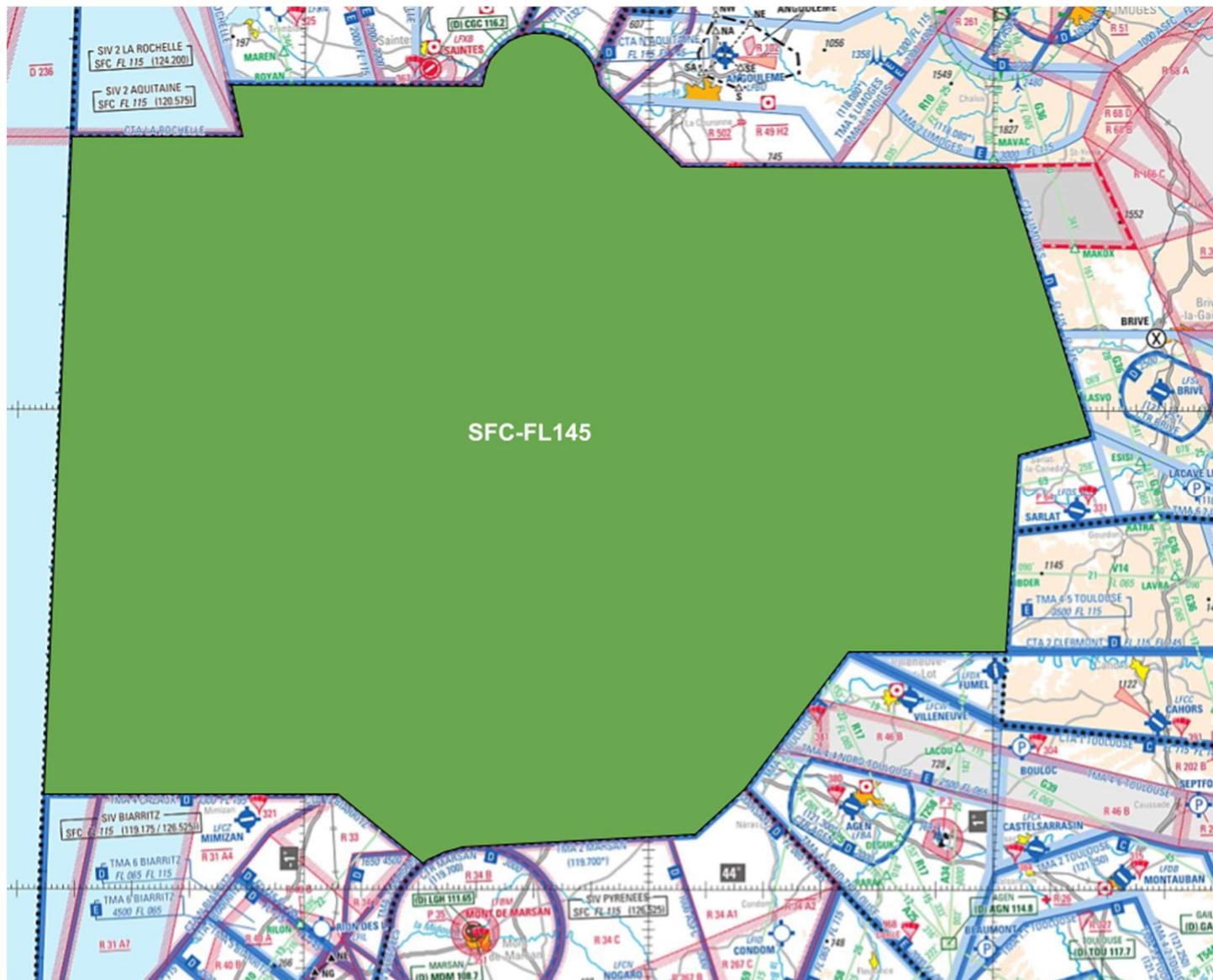
There is only one primary position in charge of Aquitaine APP airspace:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Aquitaine Approach	LFBD_APP	129.875	

2.2.5. LFMM ACC

The French upper airspace at the interface between Bordeaux and Marseille is described on the picture below. In the lower airspace, the boundary between Marseille ACC and Bordeaux ACC is the FIR boundary.

Marseille ACC positions concerned by this LoA are the following:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Marseille Control	LFMM_CTR	128.850	
Secondary Sectors			
Marseille Control	LFMM_W_CTR	132.365	

2.2.6. Clermont APP

Clermont APP is responsible for the provision of ATS in the North-West part of Marseille FIR from SFC to FL145.
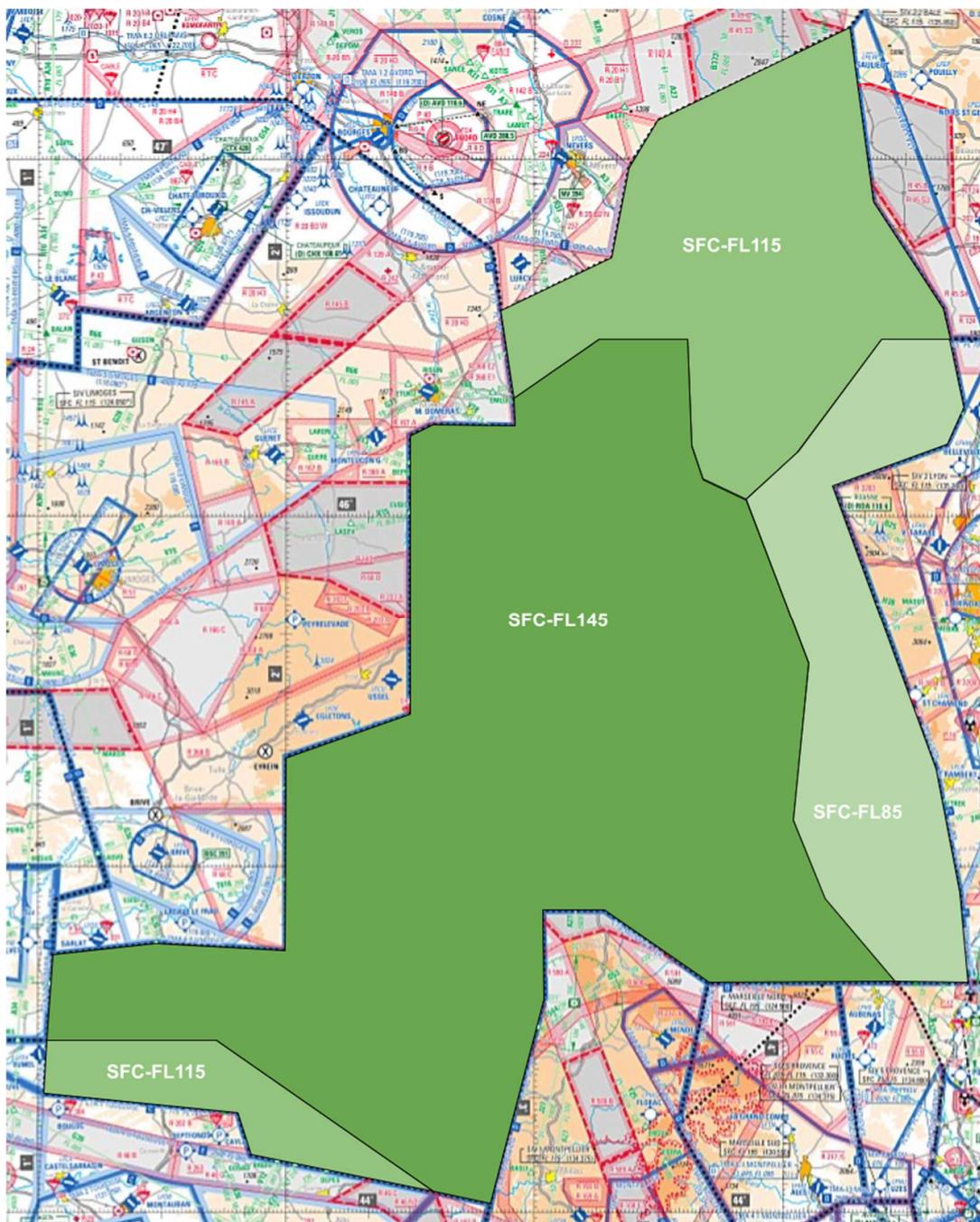
There is only one primary position in charge of Clermont APP airspace:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Clermont Approach	LFLC_APP	122.225	

2.2.7. Montpellier APP

Montpellier APP is responsible for the provision of ATS in the South-West part of Marseille FIR from SFC to FL145.
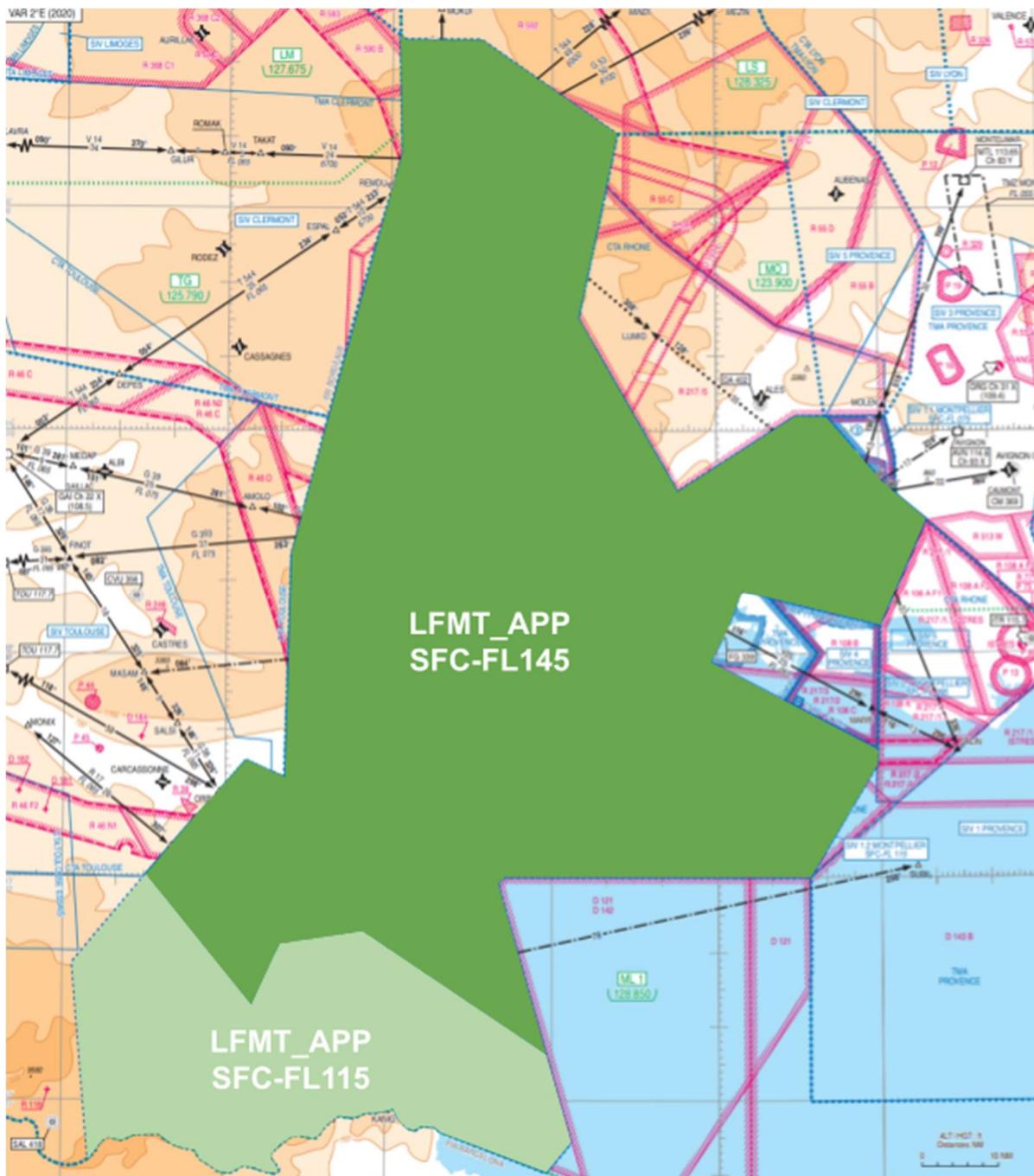
There is only one primary position in charge of Montpellier APP airspace:

Position	Identifier	Frequency	Remarks
Primary Sectors			
Montpellier Approach	LFMT_APP	131.055	

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2.3. Special Areas within the Area of Common Interest

<u>2.3.1. Area delegated to Bordeaux ACC</u>

The release box described on the picture below is permanently delegated to Bordeaux ACC from FL245 to FL285 in order to continue the climb for Lyon Area departures.

This area is defined by the following coordinates :
45°58'44"N , 003°35'21"E – 45°53'05"N , 004°18'38"E – 45°41'22"N , 004°13'46"E – 45°46'40"N , 003°40'08"E

2.3.2. TRA40 TRA41 TRA42 TRA46

These areas are described on the picture below. Bordeaux ACC and Marseille ACC shall keep each other informed of the activity of the areas.
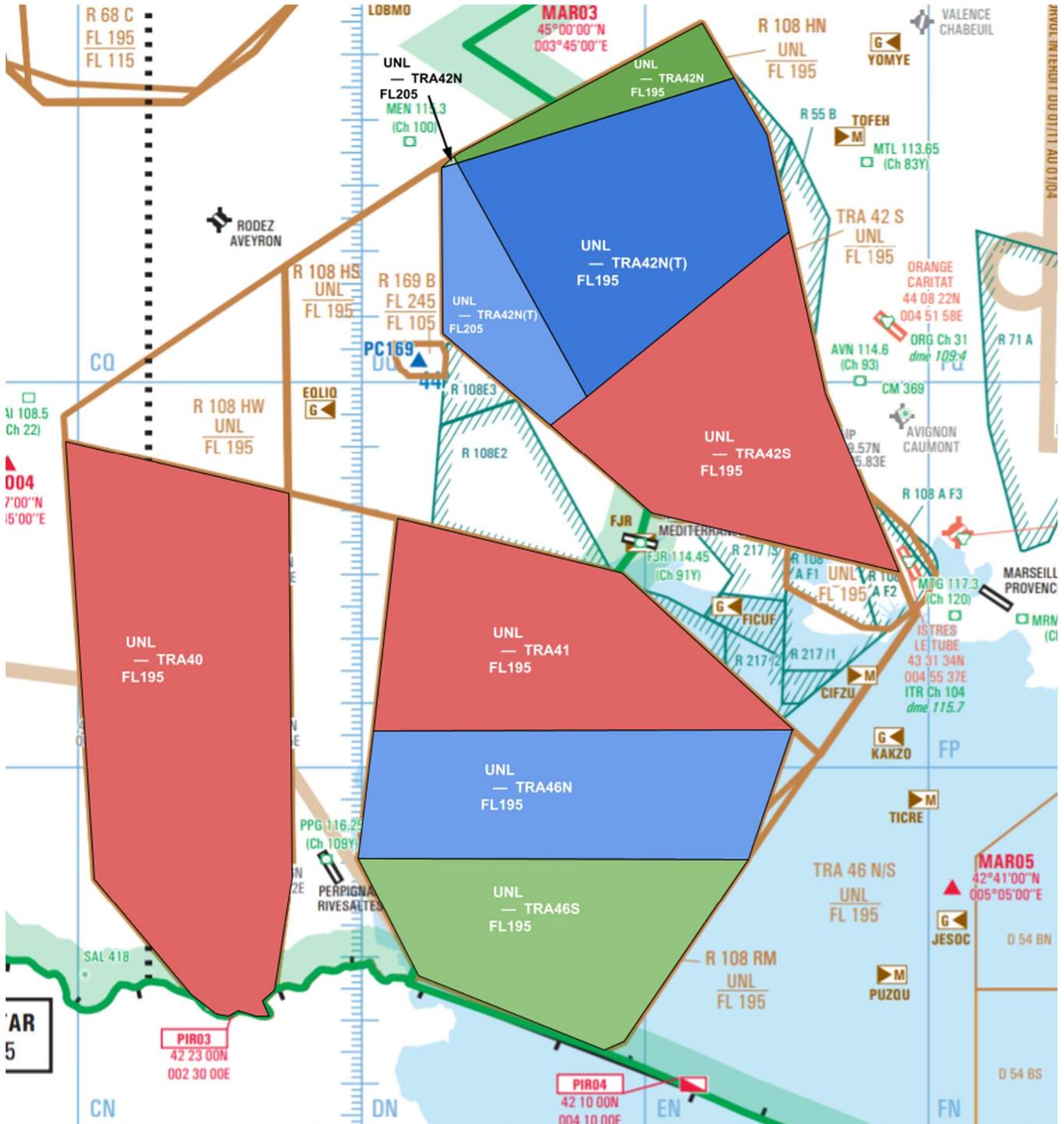
In case of TRA40 activity, direct routings via YACIM are no longer available.

Departures from LFBO via PPG will be coordinated to Marseille as they should maintain FL190 below the active area.

In case of TRA42N/NT activity, arrivals to LFMI and LFTW shall be transferred at FL200 levelled by MEN on route MEN-ESERA.
Arrivals for LFMT shall be transferred at FL200 levelled by MEN on route MEN-LEKLA or MEN-ESERA (depending on R169B)

In case of TRA42S activity, arrivals to LFMI and LFTW shall be transferred at FL200 levelled by MEN.

In case of TRA41 and/or 46, routes via PEQEF and YACIM are no longer available.

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2.3.3. R108

These areas are described on the picture below. Bordeaux ACC and Marseille ACC shall keep each other informed of the activity of the areas.
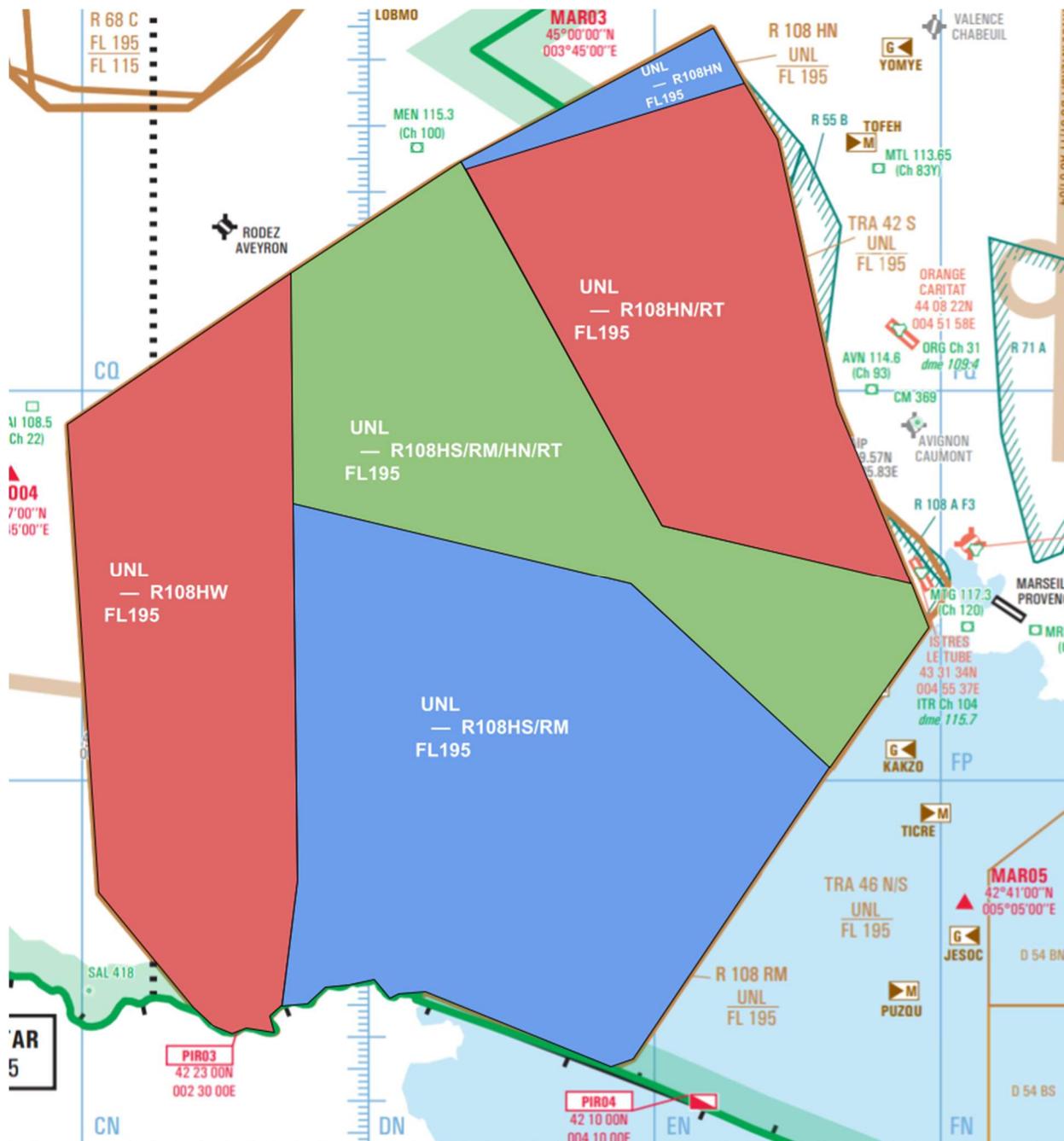
In case of R108 activity, only flights planned through the zone are allowed to enter it without prior coordination.

If Marseille ACC or Bordeaux ACC clears a non-planned flight through the area, the ACC that initiated the area penetration should have coordinated the flight with the military entity and shall inform the other ACC of the made coordination.

2.3.4. R68 R368

These areas are described on the picture below. Bordeaux ACC, Marseille ACC, Limoges APP and Clermont APP shall keep each other informed of the activity of the areas.
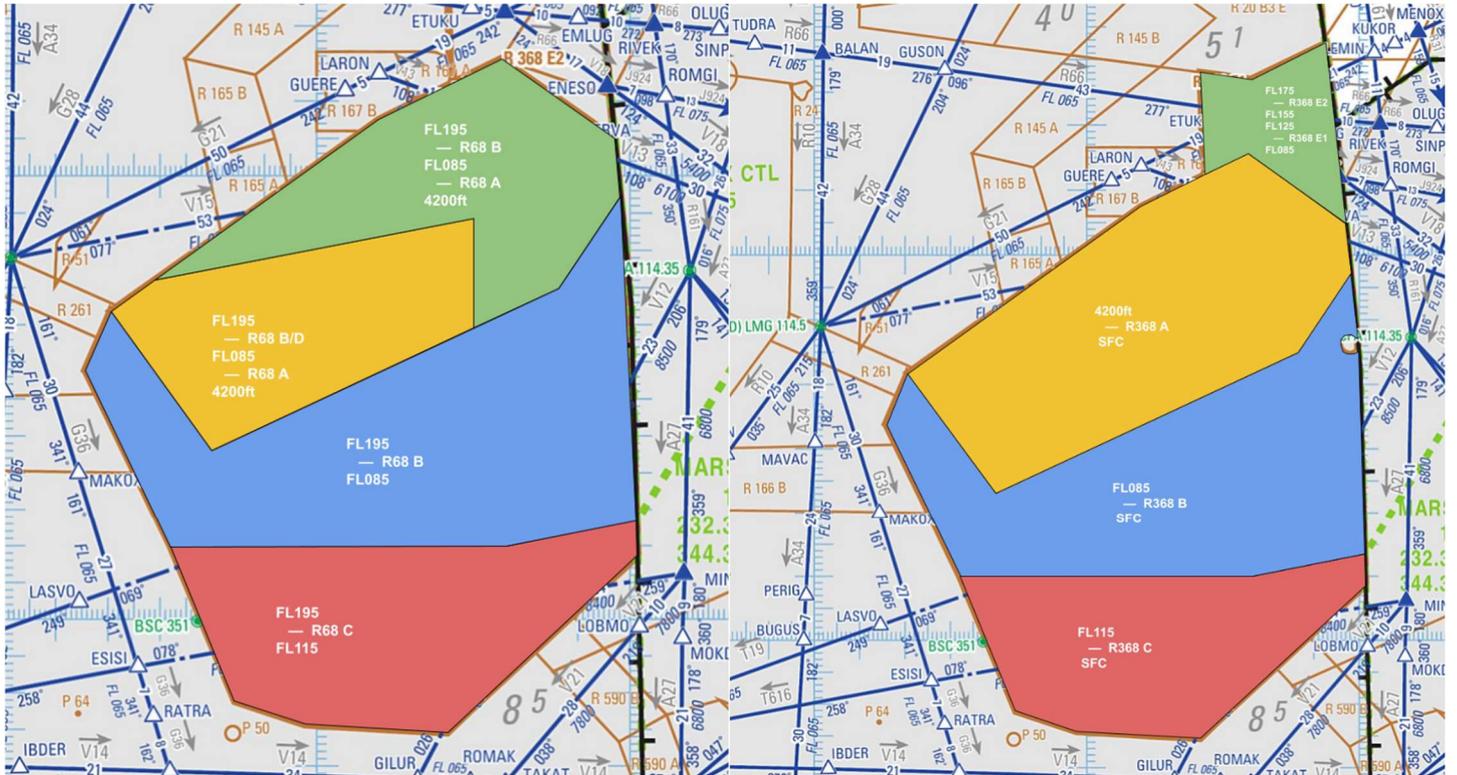
When these areas are active, flights planned through the area shall be tactically rerouted via LAVRA-TAKAT-MINPA in the south or ENESO-RISUN-LMG in the north. When R368-E are active, the flight shall be coordinated at a FL available according to the activity.

LFLC arrivals/departures planned via GERVA are rerouted via RISUN and coordinated between Limoges and Clermont APP.

LFLC arrivals/departures planned via SOMTI are rerouted via MINPA. Arrivals via MINPA are directly transferred from Bordeaux ACC to Clermont APP. Departures via MINPA are transferred from Clermont APP to Marseille ACC to Bordeaux ACC.

3.   Procedures for Coordination

3.1. General Conditions for Acceptance of Flights

Coordination of flights shall take place by reference to the COP for the relevant route and in accordance with the appropriate flight levels specified in paragraph 3.2.

Flights shall be considered to be maintaining the coordinated flight level at the transfer of control point unless climb or descent conditions have been clearly stated by either the LoA conditions or a text/verbal coordination.

If the accepting ATS unit cannot accept a flight offered in accordance with the conditions specified in the LoA, it shall clearly indicate its inability and specify the conditions under which the flight will be accepted.

For any proposed deviation from the conditions specified in 3.2 (COP, route, FL), the transferring unit shall initiate an approval request.

Traffics shall be transferred as soon as possible, clear of any conflicting traffic.

Silent Radar Handover are possible with a minimal separation of 10Nm and required if the longitudinal separation is less than 20Nm. In that case, the transferring ATS unit shall assign speeds/Mach numbers to both aircraft, the speed of the number one needs to be greater or equal to the speed of the second. Pilots shall report their assigned speed to the receiving ATS unit at the first contact.

3.2. ATS-Routes, DCTs, Co-Ordination Points and Level Allocation

3.2.1. Flights from LFBB ACC to LFMM ACC

Transfer	COP	Flight Level Allocation	Special Conditions	Reference
BB_N -> MM_W	LABAL	FL200 (level by LABAL)	ARR LFLL LFLY LFLS	
	TIS	Odd		
		FL370	ARR LIM* (except LIMJ) LSZ*	
		FL290	ARR LSAG CTA LSGG TMA	3.2.1.1.
		FL250 (released FL200)	ARR LFLB LFLP	
		FL200	ARR LFMH LFLU	
	NOQAS	Odd		3.2.1.4.
	TOZOT	Odd		3.2.1.4.
		FL330	ARR LFML LFMQ (ML QFU 31)	3.2.1.3.
	LIQID	Odd		
		FL330	ARR LFMA	
		FL290	ARR LFML LFMQ (ML QFU 13) LFMY	3.2.1.3.
		FL230	ARR LFMV LFMO	
	MINPA GERVA SOMTI ENESO	Even Odd Even Odd	FL190 max	
BB_S -> MM_W	NINUN	Even		
		FL380	ARR LSZ* (except LSZH LSZR) LSM* (except LSMP LSMD) LFSB LFGA	
		FL340	DEP LFBO ARR LSGC LSGK LSGS LSMP	
		FL320	ARR LFGJ LFSD	
		FL300	ARR LSGG TMA	3.2.1.1.
		FL260	ARR LFLL LFLY LFLS LFLU LFLB LFLP LFLJ LFHV	
		FL200	ARR LFMH	
	MEN	FL200	ARR LFMT	3.2.1.2.
	AFRIC	FL200	ARR LFMT LFMU	
	NEKTA	FL200	ARR LFMP LEGE	
	FJR	Odd		
		FL350	DEP LFBO LFBF LFBR ARR LFMN LFMC LFMD LFTZ	
		FL330	ARR LFTH LFTF	
		FL200	ARR LFML LFMA LFMQ LFMY LFMI LFTW LFMV LFMO	

	PPG	FL200	ARR LEGE	
	AFRIC ORBIL MEN	Odd Even Odd	FL190 max	

3.2.1.1.

LSAG CTA = LSGC LSGS LSGK LSMP

LSGG TMA = LSGG LSGL LSGP LFLI LFHN

3.2.1.2.

Arrivals to LFMT shall be levelled at FL200 by MEN in case of TRA42 activity.

The STAR for LFMT arrivals is MEN nT when LF-R169B is not active and MEN nE if the area is active.

3.2.1.3.

Arrivals to LFML and LFMQ are coordinated according to the runway configuration at LFML. Marseille shall advise Bordeaux of the runway in use. In case of runway change, Marseille will inform Bordeaux of the first/last arrival in the new/old configuration.

3.2.1.4.

Bordeaux ACC is responsible for the compatibility of flights on routes TOZOT-OTROT and NOQAS-OTROT.

3.2.2. Flights from LFMM ACC to LFBB ACC

Transfer	COP	Flight Level Allocation	Special Conditions	Reference
MM_W -> BB_N	TIS	Even		
		FL340	ARR LFBL LFBU LFLX	
		FL300	DEP LSGG TMA LFLP LFLB	3.2.2.1.
		FL240	DEP LFLL LFLY LFLS	3.2.2.3.
		FL190	DEP LFLU with RFL>195	
	REPSI	Odd		3.2.2.4.
		FL310	DEP LFLB LFLP	
		FL270	ARR LFCR	
		FL240	DEP LFLL LFLY LFLS	
		FL190	DEP LFMH	
	ESIDA	Odd		3.2.2.4.
		FL330	DEP LFGJ	
		FL310	DEP LSGG TMA	3.2.2.1.
	NOQAS	Even		3.2.2.5.
		FL340	ARR LFBL LFBU LFLX	
		FL320	DEP LFMA	
		FL300	DEP LFMY	
		FL260	DEP LFMV LFMO	
		FL190	DEP LFLU with RFL>195	
	TOZOT	FL320	DEP LFML LFMQ (ML QFU 13)	3.2.2.5.
	LIQID	FL320	DEP LFML LFMQ (ML QFU 31)	3.2.2.5.
	MINPA	FL190	DEP LFLC with LF-R68 active	
MM_W -> BB_S	PEQEF	Odd	Only ARR Barcelona Group LFMP	3.2.2.1. 3.2.2.2.
		FL330	DEP LSGG TMA LSAG CTA	3.2.2.1.
		FL290	DEP LFLL LFLY LFLU LFLS LFLB LFLP	
	FJR	Even		
		FL340	ARR LFBO LFBF LFBR	
		FL280	DEP LFML LFMQ LFMY LFMA	
	BRUSC	Even		
		FL190	DEP LFMT LFMI LFTW LFMV LFMO	
		FL180	DEP LFMU	
	ORBIL	Even		
		FL180	DEP LFMP	
	KELAM	FL190	DEP LFMT	

3.2.2.1.

LSGG TMA = LSGG LSGL LSGP LFLI LFHN

LSAG CTA = LSGC LSGS LSGK LSMP

Barcelona Group = LEBL LEDA LEGE LERS LELL

3.2.2.2.

PEQEF is only available on weekends, nights and holidays (activity of TRA 42)

3.2.2.3.

These flights are released for climb to FL280 inside the release box (cf. 2.3.1.)

3.2.2.4.

Marseille ACC is responsible for the compatibility of flights on routes REPSI-LERGA and ESIDA-LERGA.

3.2.2.5.

Marseille ACC is responsible for the compatibility of flights on routes LIQID-LERGA, TOZOT-LERGA and NOQAS-LERGA.

3.2.3. Flights from LFBB ACC to Clermont APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
	ESISI	FL150	ARR LFCR	
	ROMAK		ARR LFCR LFLW	
	GERVA/SOMTI/ MINPA		ARR LFLC	3.2.3.4.
	XUPAL		ARR LFLW	
	LAVRA		ARR LFLW LFSL	
	XERAK		ARR LFSL	

3.2.3.1.

Arrivals to LFCC via LAVRA are coordinated between Limoges APP and Clermont APP.

Arrivals to LFCC via AULON, NARAK and LACOU are coordinated between Toulouse APP and Clermont APP.

3.2.3.2.

Clermont APP shall inform LFBB ACC of the runway in use at LFCR. Arrivals to LFCR via BASLI, MINPA and MEN shall avoid LFBB ACC airspace. Arrivals to LFCR via GAI are coordinated between Toulouse APP and Clermont APP.

3.2.3.3.

Arrivals to LFHY, LFLN, LFLO and LFLV via RISUN are coordinated between Limoges APP and Clermont APP.

3.2.3.4.

If LF-R68 A, B, C and D are inactive, arrivals to LFLC are transferred on course to GERVA or SOMTI, they must expect FL140 max at GERVA or SOMTI. If LF-R68 A, B, C or D is active, arrivals are transferred via RISUN or MINPA. Arrivals via RISUN are coordinated between Limoges APP and Clermont APP.

3.2.3.5.

Arrivals to LFLW via GAI are coordinated between Toulouse APP and Clermont APP.

Arrivals to LFLW via XERAK are coordinated between Limoges APP and Clermont APP.

3.2.4. Flights from Clermont APP to LFBB ACC

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
	ESISI MINPA	FL140	DEP LFCR	
	ROMAK		DEP LFCR LFLW	
	GERVA SOMTI		DEP LFLC	3.2.4.4.
	LAVRA		DEP LFLW LFSL	
	XUPAL		DEP LFLW	
	MEN		DEP LFCI	
	XERAK		DEP LFSL	

3.2.4.1.

Departures from LFCC are coordinated between Clermont APP and Limoges APP via PERIG and LAVRA, between Clermont APP and Toulouse APP via AULON, NARAK, GAI, AGN and LACOU.

3.2.4.2.

Departures from LFCR via GAI are coordinated between Clermont APP and Limoges APP. Departures from LFCR via BASLI and MEN shall avoid LFBB ACC airspace.

3.2.4.3.

Departures from LFHY, LFLN, LFLO and LFLV via RISUN are coordinated between Clermont APP and Limoges APP.

3.2.4.4.

If LF-R68 A, B, C and D are inactive, LFLC departures are transferred on course to GERVA or SOMTI. If LF-R68 A, B, C or D is active, LFLC departures are transferred via RISUN or MINPA, traffics via RISUN are coordinated between Clermont APP and Limoges APP, traffics via MINPA are first transferred to LFMM_W_CTR (cf. 3.2.2.).

3.2.4.5.

Departures from LFLW via ESISI are coordinated between Clermont APP and Limoges APP. Departures from LFLW via MEN shall avoid LFBB ACC airspace.

3.2.5. Flights from Aquitaine APP to Clermont APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
V14 OBLOC-IBDER-LAVRA	IBDER	Odd	Transit with RFL<145	

3.2.6. Flights from Clermont APP to Aquitaine APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
V14 LAVRA-IBDER-OBLOC	IBDER	Even	Transit with RFL<145	

3.2.7. Flights from Toulouse APP to Clermont APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G36 GAI-AULON-LAVRA	AULON	Even	Transits with RFL<145	
V12 GAI-GILUR	BIBDO	Even	Transits with RFL<145	
V21 GAI-TAKAT	TOBVO	Even	Transits with RFL<145	
T544 GAI-DEPES-ESPAL	DEPES	Even	Transits with RFL<145	
	GAI or ROMAK	On coordination	ARR LFCR	
	MEN	On coordination	DEP LFCI and LFCK RFL<145	
	AULON NARAK LACOU	On coordination	ARR LFCC	

3.2.8. Flights from Clermont APP to Toulouse APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G36 LAVRA -AULON-GAI	AULON	Odd	Transits with RFL<145	
V12 GILUR-GAI	BIBDO	Odd	Transits with RFL<145	
V21 TAKAT-GAI	TOBVO	Odd	Transits with RFL<145	
T544 ESPAL-DEPES-GAI	DEPES	Odd	Transits with RFL<145	
	GAI	On coordination	DEP LFCR	
	NARAK	On coordination	ARR LFBO with RFL<145	
	MEN	On coordination	ARR LFCI and LFCK RFL<145	
	First FPL point in Toulouse SIV	On coordination	DEP LFCC	

3.2.9. Flights from Limoges APP to Clermont APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G21 RISUN-LEMIN	RISUN	Even	Transit with RFL<115	

V18 RISUN-ENESO	RISUN	Odd	Transit with RFL<145	
V13 LARON-GERVA	BEPMI	Odd	Transit with RFL<145	3.2.9.1.
V15 LMG-GERVA	EVBIS	Odd	Transit with RFL<145	3.2.9.1.
R66 RISUN-RIVEK	RISUN	Odd	Transit with RFL<145	
T19 OBLOC-SOMTI	RUBGI	Even	Transit with RFL<145	3.2.9.1.
T616 ESISI-XUPAL	XERAK	Even	Transit with RFL<145	3.2.9.1.
G36 ESISI-LAVRA	RATRA	Odd	Transit with RFL<145	
	RISUN	On coordination	ARR LFLC (R68 active) ARR LFHY LFLN LFLO LFLV	
	XERAK	On coordination	DEP LFSL, ARR LFLW	
	RATRA	On coordination	DEP LFSL, ARR LFCC	

3.2.9.1.

When LF-R68 A, B, C or D is active, this route is no longer available.

3.2.10. Flights from Clermont APP to Limoges APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G21 LEMIN-RISUN	LEMIN	Odd	Transit with RFL<115	
V18 ENESO-RISUN	ENESO	Even	Transit with RFL<145	
V13 GERVA-LARON	BEPMI	Even	Transit with RFL<145	3.2.10.1.
V15 GERVA-LMG	EVBIS	Even	Transit with RFL<145	3.2.10.1.
R66 RIVEK-RISUN	RIVEK	Even	Transit with RFL<145	
T19 SOMTI-OBLOC	RUBGI	Odd	Transit with RFL<145	3.2.10.1.
T616 XUPAL-ESISI	XERAK	Odd	Transit with RFL<145	3.2.10.1.
G36 LAVRA-ESISI	RATRA	Even	Transit with RFL<145	
	RISUN	On coordination	DEP LFLC (R68 active) DEP LFHY LFLN LFLO LFLV	
	XERAK	On coordination	ARR LFSL, DEP LFLW	
	RATRA	On coordination	ARR LFSL, DEP LFCC	

3.2.10.1.

When LF-R68 A, B, C or D is active, this route is no longer available.

3.2.11. Flights from Toulouse APP to Montpellier APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G39 GAI-AFRIC-FJR G393 TOU-AFRIC-FJR	AFRIC	Odd	Transit with RFL<145	
		On coordination	DEP LFCI LFCK	3.2.11.1.
G36 GAI-ORBIL-PPG	ORBIL	Odd	Transit with RFL<145	
R17 TOU-MORIL-PPG	MORIL	Odd	Transit with RFL<145	

3.2.11.1.

These flights shall be transferred at FL140 maximum to avoid LFBB ACC airspace.

3.2.11.2.

Flights departing from LFMK via FJR or PPG shall be coordinated to Montpellier APP no later than before take-off.

3.2.12. Flights from Montpellier APP to Toulouse APP

ATS-Route or DCT	COP	Flight Level Allocation	Special Conditions	Reference
G39 AFRIC-GAI	AFRIC	Even	Transit with RFL<145	
		On coordination	ARR LFCI LFCK	3.2.12.1.
G36 PPG-ORBIL-GAI	ORBIL	Even	Transit with RFL<145	
R17 PPG-MORIL-TOU	MORIL	Even	Transit with RFL<145	

3.2.12.1.

Arrivals to LFCI and LFCK shall be transferred at FL140 or below in order to avoid LFBB ACC airspace.

3.2.12.2.

Arrivals to LFMK via FJR and ORBIL shall be transferred at a Flight Level coordinated with Toulouse APP.

4.   Contributions

This document has been drafted in coordination between the ATC Operations Department of France division and Bordeaux FIR staff and Marseille FIR staff.

5.   Changelog

Version	Date	Changes
V7.0	19/03/2026	- New Format - Conditions of exchange - LFMM ACC airspace - LFBB ACC airspace