

Letter of Agreement

IVAO – France Division



Name: **LOA-FR-LFBB_EN**

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Contributors: FR-AOC, FR-AOAC, LFBB-CH, LFBB-ACH

Contact: fr-atcops@ivao.aero

Object: LoA of the Bordeaux FIR (LFBB)

1. Purpose

The purpose of this Letter of Agreement (LoA) is to define the ATC units and the coordination procedures to be applied within the **Bordeaux FIR** when providing Air Traffic Services (ATS) operating under IFR or VFR flight rule.

The content of the agreement is approved by the concerned FIR Chiefs, the FR-TD and the FR-HQ and its application is mandatory for all IVAO member providing ATS within and active ATC position concerned by this LoA.

2. General procedures

Traffic in sequence entering or leaving a TMA airspace shall be handed over by the ACC controller with **minimum spacing of 5 NM**. An **operational separation of 8-10 NM** is advised to ensure a proper regulation. This separation must be **constant** (aircrafts restrained to the same speed) **or increasing** (succeeding aircraft is not faster). Coordination of speed control should be granted via entries in radar labels and does neither need approval nor acknowledgement by receiving sector.

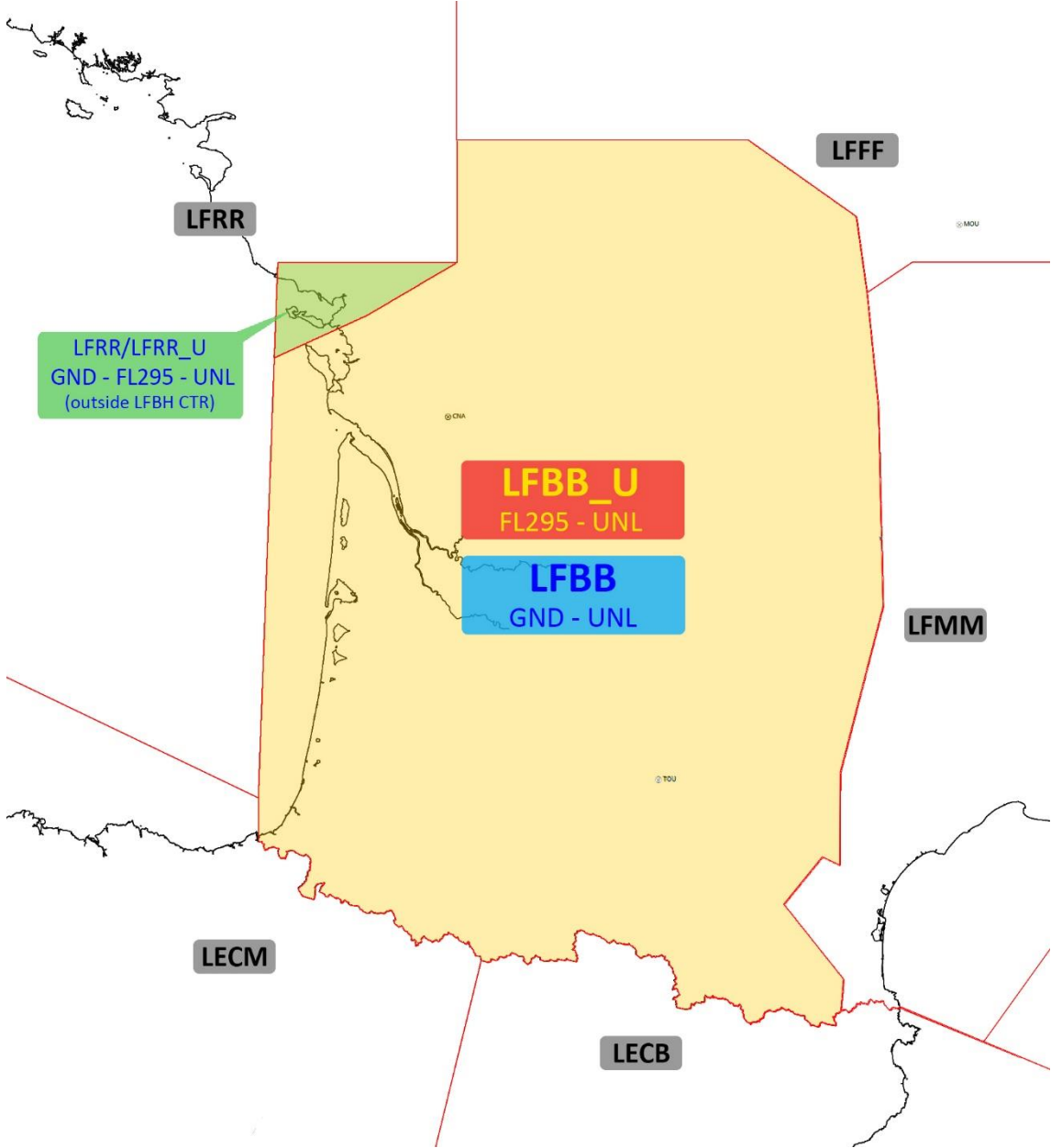
Traffic shall be handed over **as soon as practical** and, whenever possible, **at latest 3000 ft before reaching the cleared flight level**.

Traffic in sequence shall be handed over properly **separated and clear of any conflict**. **Unless** the receiving ATC unit **issue a clearance** modifying the route, altitude or speed, the **transferring sector remains responsible for separation**.

3. ATC units description

3.1 The Area Control Center (ACC)

The ATC unit in charge of FIR and UIR airspaces under the responsibility of Bordeaux ACC is **Bordeaux Control** and consists in only one primary sector (LFBB_CTR). This ATC unit may be split into two subsectors (LFBB_CTR and LFBB_U_CTR) under the condition specified in [ATC Rule 4.3](#). The lateral and vertical boundaries of the airspace under the responsibility of the CTR are indicated in the figure and table below.



The radio communication frequencies associated to the ACC positions are indicated below.

ATC Position	Callsign	Frequency	Remarks
Primary Sector			
Bordeaux Control	LFBB_CTR	125.105	SFC-UNL
Secondary Sectors			
Bordeaux Control (Upper)	LFBB_U_CTR	127.675	FL295-UNL

In the absence of the corresponding ATC units, ATS within the following airspaces are delegated to the ATC operating at the CTR position.

ATC Position	Callsign	Delegated positions
Primary Sector		
Bordeaux Control	LFBB_CTR	Cazaux Approach (LFBC_APP and underlying positions) Aquitaine Approach (LFBD_APP and underlying positions) Cognac Approach (LFBG_APP and underlying positions) La Rochelle Approach (LFBH_APP and underlying positions) Poitiers Approach (LFBI_APP and underlying positions) Limoges Approach (LFBL_APP and underlying positions) Marsan Approach (LFBM_APP and underlying positions) Toulouse Approach (LFBO_APP and underlying positions) Pyrénées Approach (LFBP_APP and underlying positions) Dax Approach (LFBY_APP and underlying positions) Biarritz Approach (LFBZ_APP and underlying positions) Avord Approach (LFOA_APP and underlying positions)
Secondary Sectors		
Bordeaux Control (Upper)	LFBB_U_CTR	None

It is recalled that ACC provides FIS (Flight Information Service) within all delegated airspaces (including all aerodromes disposing of an AFIS position) within the limits of his skills and of the traffic load. If applicable, the ATC shall indicate on his ATIS whether FIS are provided.

Likewise, the delegation of Approach positions implies providing Tower and Ground services. However, the ACC may limit the delivery of his services to essential clearances (startup, taxi, takeoff and landing) and release traffic on UNICOM when clear of possible conflicts.

3.2 The Approach Units (APP)

The ATC units in charge of approach airspaces of the Bordeaux FIR, together with delegated airspaces, are indicated below.

ATC Position	Callsign	Frequency	Controlled airspaces	Underlying positions	Delegates airspaces
Aquitaine Sector					
Cazaux	LFBC_APP	119.600	Approach (MIL)	LFBC_TWR	Cazaux Approach is delegated to Aquitaine whenever inactive
Aquitaine	LFBD_APP	129.875	TMA 1-10, SIV 1-2, CTA Bordeaux 1-2	LFBD_TWR LFBE_TWR LFBS_TWR LFBX_FIS_TWR LFCH_FIS_TWR LFCY_FIS_TWR	La Rochelle, Cognac and Cazaux Approaches are delegated to Aquitaine whenever inactive. The SIV 2 Aquitaine is delegated to La Rochelle whenever Aquitaine is inactive
Cognac	LFBG_APP	132.450	CTA Cognac (MIL)	LFBG_TWR	Cognac Approach is delegated to Aquitaine whenever inactive. Aquitaine, Limoges et Poitiers provide SIV over Cognac CTA within their airspaces
La Rochelle	LFBH_APP	124.200	TMA 1-4, SIV 1-2	LFBH_TWR LFDN_FIS_TWR	La Rochelle Approach is delegated to Aquitaine whenever it is inactive. SIV 1 La Rochelle, and SIV 2.1 and 4 Nantes are concerned by airspace delegations defined within the LOA-FR-LFBB-LFRR. SIV 2 Aquitaine is delegated to La Rochelle whenever Aquitaine is inactive
Limoges-Poitiers Sector					
Poitiers	LFBI_APP	134.100	TMA 1-5, SIV	LFBI_TWR LFBN_FIS_TWR LFLX_FIS_TWR	Poitiers provides SIV over Cognac CTA within its airspace
Limoges	LFBL_APP	118.080	TMA 1-6, SIV	LFBK_FIS_TWR LFBL_TWR LFBU_FIS_TWR LFSL_FIS_TWR	Avord Approach is delegated to Limoges whenever inactive. Limoges provides SIV over Cognac CTA within its airspace
Avord	LFOA_APP	119.700	TMA 1-2 (MIL)	LFLD_FIS_TWR LFOA_TWR LFQG_FIS_TWR	Avord Approach is delegated to Limoges whenever inactive

ATC Position	Callsign	Frequency	Controlled airspaces	Underlying positions	Delegates airspaces
Toulouse Sector					
 Toulouse 	LFBO_APP	129.305	TMA 1-6, CTA 1-5, SIV 1-3, LTA France 5.1-5.2	LFBA_TWR LFBF_FIS_TWR LFBO_TWR LFBR_TWR LFCI_FIS_TWR LFCK_FIS_TWR LFCL_TWR LFDJ_FIS_TWR LFMK_TWR	Toulouse provides SIV over LTA France 5.1 and 5.2 within its airspace. SIV 2 Toulouse is delegated to Clermont whenever inactive. SIV 3 Toulouse is delegated to Montpellier whenever inactive
Pyrénées Sector					
Marsan	LFBM_APP	119.700	TMA 1-3 (MIL)	LFBM_TWR	Marsan Approach is delegated to Pyrénées whenever inactive
Pyrénées 	LFBP_APP	128.800	TMA 1-8, SIV, LTA France 5.1	LFBP_TWR LFBT_TWR LFDH_FIS_TWR	Marsan Approach is delegated to Pyrénées whenever inactive. Pyrénées provides SIV over LTA France 5.1 within its airspace
Dax	LFBY_APP	122.050	Approach	LFBY_TWR	Dax Approach is delegated to Marsan whenever inactive or to Biarritz if Marsan is inactive
Biarritz	LFBZ_APP	125.600	TMA 1-9, SIV, LTA France 5.1	LFBZ_TWR	Dax Approach is delegated to Biarritz whenever inactive and if Marsan is inactive either. Biarritz provides SIV over LTA France 5.1 within its airspace

3.3 The Airport Units (TWR, GND, DEL)

The ATC units in charge of airport airspaces within the Bordeaux FIR are indicated below.

ATC Position	Callsign	Frequency	Remarks
Agen	LFBA_TWR	121.300	-
Cazaux	LFBC_TWR	118.400	Closed to GA
Mérignac	LFBD_TWR LFBD_GND	118.300 121.900	Controls HARC (Arcachon CH), HBHL (Haut Lévêque CH), HBOR (Pellegrin CH) and HBO2 Robert Picqué CH)
Bergerac	LFBE_TWR	119.800	-
Francazal	LFBF_FIS_TWR	118.800	-
Cognac	LFBG_TWR	120.075	Reserved government services
La Rochelle	LFBH_TWR	118.000	Controls HLRC (La Rochelle CH)
Poitiers	LFBI_TWR	118.500	Controls HPOI (Poitiers CH)
Montluçon	LFBK_FIS_TWR	118.400	-
Limoges	LFBL_TWR	119.550	Controls HANG (Angoulême CH)
Marsan	LFBM_TWR	122.100	Closed to GA
Niort	LFBN_FIS_TWR	119.100	-
Blagnac	LFBO_TWR LFBO_GND LFBO_DEL	118.100 121.900 121.705	Controls HTPP (Purpan CH) and HTRP (Rangueil CH)
Pau	LFBP_TWR LFBP_GND	124.150 121.755	Controls HPAU (Pau CH) and LFJV (Lasclaveries)
Muret	LFBR_TWR LFBR_GND	123.200 121.750	-
Biscarrosse	LFBS_TWR	118.950	-
Lourdes	LFBT_TWR LFBT_GND	119.050 121.800	-
Angoulême	LFBU_FIS_TWR	123.150	-
Périgueux	LFBX_FIS_TWR	118.775	-
Dax	LFBY_TWR LFBY_GND	118.325 121.775	Controls HDAX (DAX CH)
Biarritz	LFBZ_TWR LFBZ_GND	118.700 121.950	Controls HBAY (Bayonne CH)
Arcachon	LFCH_FIS_TWR	119.080	-
Albi	LFCI_FIS_TWR	118.950	-
Castres	LFCK_FIS_TWR	118.500	-
Lasbordes	LFCL_TWR	122.700	-
Royan	LFCY_FIS_TWR	118.800	Controls HRYN (Royan CH)
Auch	LFDH_FIS_TWR	123.000	-
Pamiers	LFDJ_FIS_TWR	118.175	-
Rochefort	LFDN_FIS_TWR	119.300	-
Bourges	LFLD_FIS_TWR	119.600	-
Châteauroux	LFLX_TWR	125.875	Position TWR et AFIS. Controls HCTX (Châteauroux CH)
Carcassonne	LFMK_TWR	134.500	Controls HCAM (Carcassonne CH)
Avord	LFOA_TWR	122.100	Reserved government services
Nevers	LFQG_FIS_TWR	120.605	-
Brive	LFSL_TWR	121.125	TWR position

4. Coordination procedures

Coordination procedures between Bordeaux ACC and underlying Approach positions are defined as follows. They represent a general framework that does not replace the coordination between ATC. Any coordination procedure not mentioned in this LoA must be established on a case-by-case basis. Likewise, coordination between Approach and Tower (initial climb whenever it is not published, go around procedure, multidirectional departures OMNI, VFR entry/exit, etc.) is left to ATC initiative.

ATC Position	Callsign	AD	Departure/Arrival	Cleared FL	Cleared DCT
Departures (LFXX_APP → LFBB_CTR)					
Cazaux Approach	LFBC_APP	-	-	Coordinate with Aquitaine	
Aquitaine Approach	LFBD_APP	-	-	FL140	First en-route FIX
Cognac Approach	LFBG_APP	-	-	FL60	
La Rochelle Approach	LFBH_APP	-	North	FL110	
			South	FL140	
Poitiers Approach	LFBI_APP	-	-	FL140	
Limoges Approach	LFBL_APP	-	-	FL140	
Marsan Approach	LFBM_APP	-	-	Coordinate with Pyrénées	
Toulouse Approach	LFBO_APP	-	-	FL140	First en-route FIX
Pyrénées Approach	LFBP_APP	-	-	FL140	
Lourdes Approach	LFBT_APP	-	-	Coordinate with Pyrénées	
Dax Approach	LFBY_APP	-	-	Coordinate with Marsan or Biarritz	
Biarritz Approach	LFBZ_APP	-	-	FL140	First en-route FIX
Avord Approach	LFOA_APP	-	-	FL60	
Arrivals (LFBB_CTR → LFXX_APP)					
Cazaux Approach	LFBC_APP	LFBC	-	Coordinate with Aquitaine	
Aquitaine Approach	LFBD_APP	LFBD	BCG/MIRBA/VELIN	FL150	LIBRU
			CNA/LMG		VAGNA
			ENSAC		DIRAX
			ROYAN		ETPAR
		LFBE	-		BGC
		LFBS	-		BRS
		LFBX	-		PX
LFBY	-	RY			
Cognac Approach	LFBG_APP	LFBG	-	FL70	CNA/LODKO/OC/RISPU
La Rochelle Approach	LFBH_APP	LFBH	-	FL120 (North)	RL
		LFDN	-	FL150 (South)	ROC
Poitiers Approach	LFBI_APP	LFBI	-	FL150	PI/POI
		LFBN	-		NITUB
		LFLX	-		CTX/ROXIL
Limoges Approach	LFBL_APP	LFBK	-	FLs150	LPD
		LFBL	North		LOE
			South		LMG
LFBU	-	AGO/ARPIL			

		LFSL	-		BSC
Marsan Approach	LFBM_APP	LFBM	-	Coordinate with Pyrénées	
Toulouse Approach	LFBO_APP	LFBA	-	FL150	AG
		LFBF	STAR runway 12		SURAS
			Runway 30: ADIMO/AFRIC/AULON/ESISI FJR/MEN/NARAK/ORBIL		TOE
			Runway 30: AGN/ASPET/LATEK/LMB SECHE/TBO		SULIT
		LFBO	AFRIC/FJR/ORBIL		ADIMO
			ESISI/MEN/NARAK		NARAK
			AGN/ASPET/LATEK LMB/SECHE/TBO		AGENO/SULIT/SURAS
		LFBR	-		Coordinate with Toulouse
		LFCI	-		AB
		LFCK	-		CVU
		LFDJ	-		Coordinate with Toulouse
LFMK	-	DCT to the STAR entry			
Pyrénées Approach	LFBP_APP	LFBP	AGN/TOU	FL150	TEPTI
			BTZ		ARSIG
		LFDH	-		LMT
Lourdes Approach	LFBT_APP	LFBT	-	Coordinate with Pyrénées	
Dax Approach	LFBY_APP	LFBY	-	Coordinate with Marsan or Biarritz	
Biarritz Approach	LFBZ_APP	LFBZ	Runway 09	FL150	Coordinate with Biarritz
			Runway 27		
Avord Approach	LFOA_APP	LFLD	-	FL70	BRG
		LFOA	-		AVD/BRG/OA403- 4/NEV
		LFQG	-		NV

Coordination procedures of departures/arrivals La Rochelle-North are defined in the LOA-FR-LFBB-LFRR.