

Letter of Agreement

IVAO – France Division



Name: **LOA-FR-LFFF_EN**

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Object: LoA of the Paris FIR (LFFF)

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 **Paris 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.

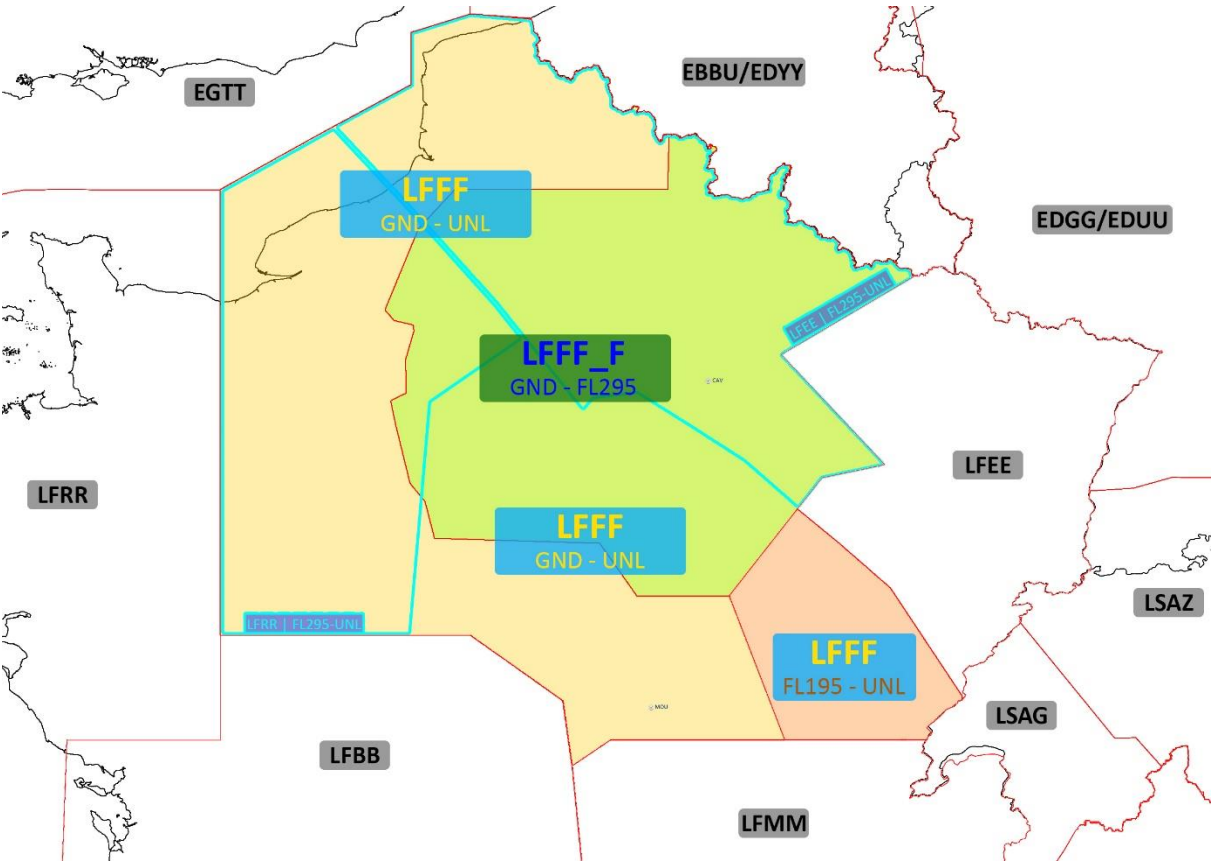
Traffic shall be handed over **as soon as practical** and, whenever possible, **at latest 3000 ft before reaching the cleared flight level**.

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 (CTR)

The ATC unit in charge of FIR and UIR airspaces under the responsibility of Paris ACC is **Paris Control** and consists in two primary sector (LFFF_CTR and LFFF_F_CTR). The lateral and vertical boundaries of the airspace under the responsibility of the CTR are indicated in the figure and table below.



ATC Position	Callsign	Frequency	Remarks
Primary Sector			
Paris Control	LFFF_CTR	128.100	SFC-UNL LFRR open : W (SFC-FL295) LFEE open : NE (SFC-FL295)
Paris Control (CCT)	LFFF_F_CTR	135.405	SFC-FL295

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		
Paris Control	LFFF_CTR	Beauvais Approach (LFOB_APP and underlying positions) Evreux Approach (LFOE_APP and underlying positions) Bricy Approach (LFOJ_APP and underlying positions) Rouen Approach (LFOP_APP and underlying positions) Tours Approach (LFOT_APP and underlying positions) Creil Approach (LFPC_APP and underlying positions) De Gaulle Approach (LFPG_APP and underlying positions) Seine Approach (LFPM_APP and underlying positions) Orly Approach (LFPO_APP and underlying positions) Pontoise Approach (LFPT_APP and underlying positions) Villa Approach (LFPV_APP and underlying positions) Lilles Approach (LFQQ_APP and underlying positions)
Paris Control (CCT)	LFFF_F_CTR	Beauvais Approach (LFOB_APP and underlying positions) Evreux Approach (LFOE_APP and underlying positions) Bricy Approach (LFOJ_APP and underlying positions) Creil Approach (LFPC_APP and underlying positions) De Gaulle Approach (LFPG_APP and underlying positions) Seine Approach (LFPM_APP and underlying positions) Orly Approach (LFPO_APP and underlying positions) Pontoise Approach (LFPT_APP and underlying positions) Villa Approach (LFPV_APP and underlying positions)

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, DEP)

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
Beauvais Sector					
Beauvais	LFOB_APP	119.900	TMA 1-5	LFOB_TWR	Beauvais Approach is delegated to à De Gaulle whenever inactive. Evreux and Rouen Approaches are delegated to Beauvais whenever inactive
Evreux	LFOE_APP	118.125	TMA 1-2 (MIL)	LFOE_TWR	Evreux Approach is delegated to Beauvais whenever inactive
Rouen	LFOP_APP	118.575	TMA 1-2	LFOP_TWR	Rouen Approach is delegated to Beauvais whenever inactive
Creil	LFPC_APP	119.700	TMA 1-3	LFPC_TWR	Creil Approach is delegated to De Gaulle whenever inactive
Seine Sector					
Bricy	LFOJ_APP	122.700	TMA 1-8 Orléans	LFOC_TWR LFOJ_TWR	Bricy Approach is delegated to Tours whenever inactive
Tours	LFOT_APP	121.000	TMA 1-6	LFOT_TWR	Tours Approach is delegated to Bricy whenever inactive
Seine	LFPM_APP	134.300	TMA 1-6 SIV 1-8	LFLA_TWR (AFIS) LFOK_TWR (AFIS) LFOQ_TWR (AFIS) LFOX_TWR LFOZ_TWR (AFIS) LFPM_TWR LFQA_TWR (AFIS) LFQB_TWR (AFIS)	-
Paris Sector					
De Gaulle	LFPG_APP (S) LFPG_DEP (E) (LFPG_N_APP) (LFPG_N_DEP) (LFPG_S_DEP)	136.275 131.200 (126.425) (124.355) (133.375)	TMA Paris 1, 6, 8-10	LFPB_TWR LFPE_TWR LFPG_TWR LFPL_TWR	Orly, Pontoise, Creil, Villa and Beauvais Approaches are delegated to De Gaulle whenever inactive. In case of activation of both APP et DEP, coordination is realized case by case under the responsibility of the FIR Chiefs and the FR-AO Department
Orly	LFPO_APP	123.875	TMA Paris 2-5, 7,	LFPI_TWR	Orly Approach is delegated

	LFPO_DEP	127.750	10	LFPN_TWR LFPO_TWR LFPX_TWR LFPZ_TWR	to De Gaulle whenever inactive
Pontoise	LFPT_APP	118.800	TMA 1-2	LFPT_TWR	Pontoise Approach is delegated to De Gaulle whenever inactive
Villa	LFPV_APP	119.425	TMA (MIL)	LFPV_TWR	Villa Approach is delegated to Orly whenever inactive
Lille Sector					
Lille	LFQQ_APP	126.475	TMA 1-13, SIV 1-5	LFAC_TWR LFAQ_TWR (AFIS) LFAT_TWR LFAV_TWR (AFIS) LFAY_TWR (AFIS) LFQQ_TWR LFQT_TWR	-

Considering the operational constraints associated to Paris airports, **the approach delegation to De Gaulle may be reconsidered on a case by case basis by the active ATC** depending on his skills and on the traffic load.

In the case of De Gaulle Approach unbundling, coordination within ATC, together with the delegation of all TMA airspaces, is provided beforehand by the FIR Chiefs and the FR-AO Department.

3.3 The Airport Units (TWR, GND, DEL)

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

ATC Position	Callsign	Frequency	Remarks
Dieppe	LFAB_TWR	119.000	AFIS position
Calais	LFAC_TWR	128.925	-
Albert	LFAQ_TWR	119.650	AFIS position
Le Touquet	LFAT_TWR LFAT_GND	118.450 121.755	Controls HCOQ (Coquelles Eurotunnel) and HRAN (Rang du Fliers CH)
Valenciennes	LFAV_TWR	122.600	AFIS position
Amiens	LFAY_TWR	123.400	AFIS position
Auxerre	LFLA_TWR	129.800	AFIS position
Beauvais	LFOB_TWR	121.400	-
Evreux	LFOE_TWR	122.100	Reserved government services
Châteaudun	LFOC_TWR	121.750	
Bricy	LFOJ_TWR	122.100	Controls HSPS (Saran CH)
Vatry	LFOK_TWR	129.400	TWR and AFIS position
Rouen	LFOP_TWR	120.200	Controls HROU (Rouen CH)
Blois	LFOQ_TWR	118.450	AFIS position
Tours	LFOT_TWR LFOT_GND	124.400 122.100	Controls HTOU (Tours Trousseau CHU)
Etampes	LFOX_TWR LFOX_GND	119.050 121.850	-
Saint Denis	LFOZ_TWR	122.400	AFIS position
Le Bourget	LFPB_TWR LFPB_GND LFPB_DEL	118.925 121.900 121.950	Controls HAUL (Aulnay CH) and HPLR (Lariboisière CH)
Creil	LFPC_TWR LFPC_GND	123.300 122.100	Reserved government services
Meaux	LFPE_TWR	120.150	-
De Gaulle	LFPG_TWR (N) LFPG_GND (N) LFPG_DEL (LFPG_S_TWR) (LFPG_A_GND) (LFPG_S_GND)	119.250 121.600 121.725 (120.900) (125.325) (121.800)	-
Moulineaux	LFPI_TWR	118.500	Heliport
Lognes	LFPL_TWR LFPL_GND	118.600 122.125	-
Melun	LFPM_TWR	121.100	-
Toussus	LFPN_TWR LFPN_GND	120.750 122.125	-
Orly	LFPO_TWR LFPO_GND LFPO_DEL	118.700 121.705 121.555	Controls HCOR (Corbeil Essonne CH) and HLEP (Le Plessis Robinsons CH)
Pontoise	LFPT_TWR	121.200	-
Villacoublay	LFPV_TWR LFPV_GND	128.950 121.750	Reserved government services
Chavenay	LFPX_TWR	129.525	-

	LFPX_GND	121.900	
Saint Cyr	LFPZ_TWR	118.000	-
	LFPZ_GND	121.950	
Prunay	LFQA_TWR	134.925	AFIS position
Troyes	LFQB_TWR	123.725	AFIS position
Lille	LFQQ_TWR	118.550	Controls HLIL (Lille CH)
	LFQQ_GND	121.855	
Merville	LFQT_TWR	119.075	-
	LFQT_GND	121.675	

4. Coordination procedures

Coordination procedures between Paris 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 → LFFF_CTR)					
Beauvais Approach	LFOB_APP	-	-	FL60	First en-route FIX
Evreux Approach	LFOE_APP	-	-	FL60	
Bricy Approach	LFOJ_APP	-	-	FL110	
Rouen Approach	LFOP_APP	-	-	FL60	
Tours Approach	LFOT_APP	-	-	FL90	
Creil Approach	LFPC_APP	-	-	3000 ft	
De Gaulle Approach (De Gaulle Departures)	LFPG_APP (LFPG_DEP)	-	North /West	FL180	
			South/East	FL190	
Seine Approach	LFPM_APP	-	-	3000 ft	
Orly Approach (Orly Departures)	LFPO_APP (LFPO_DEP)	-	North	FL130	Coordination mandatory with De Gaulle
			South		First en-route FIX
Pontoise Approach	LFPT_APP	-	-	3000 ft	First en-route FIX
Villa Approach	LFPV_APP	-	-	Coordinate with Orly	
Lille Approach	LFQQ_APP	-	-	FL110	First en-route FIX Transfer to LFFF_F_CTR if open
Arrivals (LFFF_CTR → LFXX_APP)					
Beauvais Approach	LFOB_APP	LFOB	CMB/LORNI	FL70	MTD
			DINAN/MATIX/MOPIL/RLP/ SONUR/VEDUS/ TINIL/TRO		LORNI
			PEXIR/VELOL		NEMED
Evreux Approach	LFOE_APP	LFOE	-	FL70	EVX
Bricy Approach	LFOJ_APP	LFQC	-	FL70	CDN
		LFOJ	-		BCY
Rouen Approach	LFOP_APP	LFOP	-	FL70	ROU
Tours Approach	LFOT_APP	LFOT	-	FL100	TUR
Creil Approach	LFPC_APP	LFPC	-	FL70	LORNI/MOPAR
De Gaulle Approach	LFPG_APP	LFPB LFPG	<i>Facing West</i>		
			KEPER/KOVAK/ LATGO SABLE/ROMGO	FL150 (jet) FL140 (prop.)	NERKI
			DINAN/MATIX MOPIL/VEDUS	FL130	DEVIM
			BIIBAX/LUKIP	FL120	KOLIV/MOBRO
			DJL/EPL/MOU/PIBAT RLP/TINIL/TRO	FL110 (jet) FL100 (prop.)	URELO

			IAF VEBEK (STAR DINAN et VEDUS)	FL110	Coordination mandatory with Orly
			<i>Facing East</i>		
			KEPER/KOVAK/ LATGO SABLE/ROMGO	FL110	NERKI
			DINAN/MATIX MOPIL/VEDUS	FL150 (jet) FL120 (prop.)	DEVIM
			BIBAX/LUKIP	FL100	KOLIV
			DJL/EPL/MOU/PIBAT RLP/TINIL/TRO	FL150 (jet) FL140 (prop.)	URELO
Seine Approach	LFPM_APP	LFLA	-	4000 ft	AX/INSEB/OSBIB
		LFOK	DIKOL/TRO		KELON
		LFOQ	-		BALIV/BLB
		LFOZ	-		ADATI/LIMTA/ORS/TUPID
		LFPM	ARSIL/DJL/MOU/PIBAT/TRO PTV		BRY
		LFQA	-		SOMEX
		LFBQ	-		REM
					TY
Orly Approach	LFPO_APP		<i>Facing West</i>		
		LFPO	ARDOL/DJL/EPL/KUTAN MOU/PIBAT /RLP/TUTAX	FL100	EBOMA
			AMB/BOBSA/CAD LUMAN/NIMER	FL110	SOTIP
			MATIX/MOPIL/RENSA (IAF VEBEK)	FL110	Coordination mandatory with De Gaulle
			<i>Facing East</i>		
		LFPN	ARDOL/DJL/EPL/KUTAN MOU/PIBAT /RLP/TUTAX	FL100	EBOMA
			AMB/BOBSA/CAD LUMAN/NIMER	FL100	SOTIP
			MATIX/MOPIL/RENSA (IAF VEBEK)	FL110	Coordination mandatory with De Gaulle
			ARDOL/DJL/EPL/KUTAN MOU/PIBAT /RLP/TUTAX	FL70	EBOMA
			AMB/BOBSA/CAD LUMAN/NIMER	FL70	SOTIP
MATIX/MOPIL/RENSA (IAF VEBEK)	FL110		Coordination mandatory with De Gaulle		
Pontoise Approach	LFPT_APP	LFPT	-	4000 ft	Transfer from De Gaulle DCT IF or PON
Villa Approach	LFPV_APP	LFPV	-	Coordinate with Orly	
Lille Approach	LFQQ_APP	LFAC	-	FL120	MK
		LFAQ	-		ABY/AGLAX/SULEX/XORBI
		LFAT	-		LT
		LFAV	-		BOBMA/NAVANVAMOP/VS
		LFAY	-		AMAXA/BZDGI/GI/GIRAR
		LFQQ	-		LEQ
		LFQT	-		MVC