

FRANKFURT MAIN
RNAV (GPS,DME/DME/IRU) RWY 07C/07R

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks			
					Climb to		Contact					
SOBRA 8E			SOBRA EIGHT ECHO		4000 ft		LANGEN RADAR 136.130 * Contact Langen Radar when advised by Tower!					
			From RWY 07C on course 066° to DF144; RT, direct to DF148, to DF154; to DF160; to DF198; to DF201; to DONAB; to SOBRA. Cross DF144 at or above 800. Cross DF154 at or above 3500. Cross DF201 at or above FL90. Max. IAS 220kts until DF154.				* Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.		1. For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2. 2. For flights intending to proceed at FL 250 or above via Y180/Y181. Flights have to be able to cross RUDOT at FL 240 or above. If unable to comply, flight plan shall read RUDOT - FL 220 - Y180 - DIK RFL. 3. Cross DF154 at 3500 or above and DF201 at FL90 or above. If unable to comply, advise EDDF DELIVERY prior to start-up. 4. Altitude constraints due to operational requirements.			
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark	
Runway	CF	DF144	N 50 02 52.16 E 008 35 56.35	Y	(T069.7) 066	-	-	A800+	-	RNAV 1	-	
Runway	DF	DF148	N 49 59 39.62 E 008 37 51.87	N	-	-	R	-	-	RNAV 1	-	
Runway	TF	DF154	N 49 58 42.14 E 008 35 39.28	N	(T236.1) 233	1.7	-	A3500+	220-	RNAV 1	-	
Runway	CF	DF145	N 50 02 36.37 E 008 36 04.61	Y	(T069.7) 066	-	-	A800+	-	RNAV 1	-	
Runway	DF	DF148	N 49 59 39.62 E 008 37 51.87	N	-	-	R	-	-	RNAV 1	-	
Runway	TF	DF154	N 49 58 42.14 E 008 35 39.28	N	(T236.1) 233	1.7	-	A3500+	220-	RNAV 1	-	
Common	IF	DF154	N 49 58 42.14 E 008 35 39.28	N	-	-	-	-	-	RNAV 1	-	
Common	TF	DF160	N 49 52 25.14 E 008 32 05.82	N	(T200.1) 197	6.7	-	-	-	RNAV 1	-	
Common	TF	DF198	N 49 45 03.68 E 008 27 57.13	N	(T200.1) 197	7.8	-	-	-	RNAV 1	-	
Common	TF	DF201	N 49 47 15.18 E 008 14 22.30	N	(T284.1) 281	9.1	-	FL90+	-	RNAV 1	-	
Common	TF	DONAB	N 49 49 15.89 E 008 01 44.83	N	(T283.9) 281	8.4	-	-	-	RNAV 1	-	
Common	TF	SOBRA	N 49 51 39.00 E 007 46 32.00	N	(T283.7) 280	10.1	-	-	-	RNAV 1	-	