

STANDARD DEPARTURE
ROUTES - INSTRUMENT (SID)
RNP (GPS)

FRANKFURT MAIN
RWY 07C
X-RAY

Designator	Route			After Take-Off				Remarks Text Page		
				Climb to		Contact				
SOBRA 1X	SOBRA ONE XRAY To DF967 on course 068°, RT with 2.30 NM radius to DF966, maximum speed 220 kts, LT with 3.90 NM radius to DF964, maximum speed 250 kts, to DF157, to ROSIG at or above FL90, to DONAB, to SOBRA			4000 ft		LANGEN RADAR 136.130* Contact Langen Radar when advised by Tower! (Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.)		1. PDG 3.9% / 240 ft/NM or more until passing FL90 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. For flights intending to preceed at FL250 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 - NISIV - UY 180 - DIK RFL.		
Recommen- ded Path Terminator	Waypoint Identifier	Coordinates	Fly Over	(True Track°) Mag Track°	Distance (NM)	Turn Direc- tion	Altitude (ft) / Flight Level	Speed Limit (kt IAS)	NAV- Specification	Remarks
CF	DF967	N 50 04 16.11 E 008 41 46.05	-	(T069.6) 068	4.5	-	-	-	RNP-1/A-RNP RF-Leg required	-
RF	DF966	N 50 00 38.98 E 008 45 45.20	-	-	6.0	R	-	220-		ARC Centre: DF965 N 50 02 06.78 E 008 43 00.22 ARC Radius: 2.30 NM
RF	DF964	N 49 59 04.15 E 008 44 31.80	-	-	1.8	L	-	250-		ARC Centre: DF963 N 49 58 09.79 E 008 50 24.36 ARC Radius: 3.90 NM
TF	DF157	N 49 47 27.96 E 008 40 20.26	-	(T193.2) 191	11.9	-	-	-		-
TF	ROSIG	N 49 46 06.01 E 008 21 33.92	-	(T263.7) 262	12.3	-	FL90+	-		-
TF	DONAB	N 49 49 15.89 E 008 01 44.83	-	(T284.0) 282	13.2	-	-	-		-
TF	SOBRA	N 49 51 39.00 E 007 46 32.00	-	(T283.7) 282	10.1	-	-	-		-