

FRANKFURT MAIN  
RNP (GPS) RWY 25C

STANDARD INSTRUMENT DEPARTURE  
ROUTES (SID)

Designator		Route		After Take-Off				Procedure remarks				
Recom- mended 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		
<b>OBOKA 3W</b>		<b>OBOKA THREE WHISKEY</b> To DF999 on course 247° at or above 800, LT with 2.0 NM radius to DF998 at or above 1340, maximum speed 200 kts, to DF996 at or above 1930, maximum speed 200 kts, to DF172 at or above 2670, maximum speed 230 kts, to PABVI, maximum speed 230 kts, to SIVDO, to KUPIP, to MASIR, to RAVKI, to DITAM, to OBOKA.		FL 70				LANGEN RADAR 120.155 Contact Langen Radar when advised by Tower! (Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.)			1. PDG 8.5% / 520 ft/NM or more until passing 800 due to operational requirements. 2. PDG 4.1% / 250 ft/NM or more after passing 800 until passing 2500 due to airspace structure. 3. Flights have to be able to cross OBOKA at FL 170 or above except flights to EDDK. If unable to comply, advise EDDF DELIVERY prior to start-up.	
CF	DF999	N 50 01 39.03 E 008 30 47.83	-	(T249.6) 247	0.9	-	A800+	200-	RNP 1, RF-leg required	-		
RF	DF998	N 50 00 04.58 E 008 28 48.74	-	-	2.1	L	A1340+	200-	RNP 1, RF-leg required	ARC center: DF997 N 49 59 46.65 E 008 31 52.63 ARC Radius: 2.00 NM		
TF	DF996	N 49 57 42.90 E 008 28 16.77	-	(T188.3) 186	2.4	-	A1930+	200-	RNP 1, RF-leg required	-		
TF	DF172	N 49 54 52.57 E 008 26 57.96	-	(T196.6) 194	3.0	-	A2670+	230-	RNP 1, RF-leg required	-		
TF	PABVI	N 49 53 05.98 E 008 22 22.99	-	(T239.1) 236	3.5	-	-	230-	RNP 1, RF-leg required	-		
TF	SIVDO	N 49 53 26.07 E 008 15 56.78	-	(T274.6) 272	4.2	-	-	-	RNP 1, RF-leg required	-		
TF	KUPIP	N 49 56 26.82 E 008 09 37.02	-	(T306.4) 304	5.1	-	-	-	RNP 1, RF-leg required	-		
TF	MASIR	N 50 15 17.69 E 007 44 16.54	-	(T319.3) 317	24.9	-	-	-	RNP 1, RF-leg required	-		
TF	RAVKI	N 50 21 41.99 E 007 39 53.65	-	(T336.4) 334	7.0	-	-	-	RNP 1, RF-leg required	-		
TF	DITAM	N 50 33 29.20 E 007 31 46.42	-	(T336.3) 334	12.9	-	-	-	RNP 1, RF-leg required	-		
TF	OBOKA	N 50 44 41.51 E 007 20 16.97	-	(T327.0) 324	13.4	-	-	-	RNP 1, RF-leg required	-		

Designator		Route		After Take-Off				Procedure remarks				
Recom- mended 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		
<b>MARUN 3W</b>		<b>MARUN THREE WHISKEY</b> To DF999 on course 247° at or above 800, LT with 2.0 NM radius to DF998 at or above 1690, maximum speed 200 kts, to DF996 at or above 2670, maximum speed 200 kts, to DF995 at or above 3470, RT with 2.1 NM radius to DF994 at or above 5600, maximum speed 230 kts, to DF992 at or above 6000, to LISKU, to TABUM, to LIKSI, to LORPA, to MARUN.		FL 70				LANGEN RADAR 120.155 Contact Langen Radar when advised by Tower! (Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.)			1. PDG 8.5% / 520 ft/NM or more until passing 800 due to operational requirements. 2. PDG 6.8% / 415 ft/NM or more after passing 800 until passing 6000 due to operational requirements .	
CF	DF999	N 50 01 39.03 E 008 30 47.83	-	(T249.6) 247	0.9	-	A800+	200-	RNP 1, RF-leg required	-		
RF	DF998	N 50 00 04.58 E 008 28 48.74	-	-	2.1	L	A1690+	200-	RNP 1, RF-leg required	ARC center: DF997 N 49 59 46.65 E 008 31 52.63 ARC Radius: 2.00 NM		
TF	DF996	N 49 57 42.90 E 008 28 16.77	-	(T188.3) 186	2.4	-	A2670+	200-	RNP 1, RF-leg required	-		
TF	DF995	N 49 55 52.63 E 008 27 25.87	-	(T196.6) 194	1.9	-	A3470+	230-	RNP 1, RF-leg required	-		
RF	DF994	N 49 55 39.37 E 008 21 19.40	-	-	5.1	R	A5600+	230-	RNP 1, RF-leg required	ARC center: DF993 N 49 56 28.51 E 008 24 18.94 ARC Radius: 2.10 NM		
TF	DF992	N 49 56 34.16 E 008 20 43.76	-	(T337.2) 335	1.0	-	A6000+	-	RNP 1, RF-leg required	-		
TF	LISKU	N 50 02 50.58 E 008 16 38.23	-	(T337.2) 335	6.8	-	-	-	RNP 1, RF-leg required	-		
TF	TABUM	N 50 17 27.33 E 008 24 18.21	-	(T018.6) 016	15.4	-	-	-	RNP 1, RF-leg required	-		
TF	LIKSI	N 50 28 23.50 E 008 30 16.44	-	(T019.2) 017	11.6	-	-	-	RNP 1, RF-leg required	-		
TF	LORPA	N 50 43 32.42 E 008 37 32.69	-	(T016.9) 014	15.9	-	-	-	RNP 1, RF-leg required	-		
TF	MARUN	N 50 49 16.20 E 008 40 18.99	-	(T017.0) 014	6.0	-	-	-	RNP 1, RF-leg required	-		