

FRANKFURT MAIN
RNAV (GPS, DME/DME/IRU) RWY 18

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
MARUN 4R			MARUN FOUR ROMEO		4000 ft		LANGEN RADAR 120.155 * Contact Langen Radar when advised by Tower!		1. For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2. 2. Do not turn before DER. 3. Cross DF159 at 2500 or above. If unable to comply, advise EDDF DELIVERY prior to start-up. 4. By ATC only.		
From RW18 on track 176°, at or above 800 ft. Direct to DF158, maximum speed 220 kts. To DF159, at or above 2500 ft. To DF168. To TUKRU. To MTR. To TOBAK. To APROX. To MARUN.							* Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.				
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
Common	FA	RW18	N 50 02 03.01 E 008 31 33.35	N	(T179.6) 176	-	-	A800+	-	RNAV 1	-
Common	DF	DF158	N 49 58 00.01 E 008 31 34.98	N	-	-	-	-	220-	RNAV 1	-
Common	TF	DF159	N 49 56 58.59 E 008 34 25.12	N	(T119.2) 116	2.1	-	A2500+	-	RNAV 1	-
Common	TF	DF168	N 49 56 20.97 E 008 36 10.06	N	(T119.0) 116	1.3	-	-	-	RNAV 1	-
Common	TF	TUKRU	N 49 56 23.72 E 008 43 15.90	N	(T089.4) 086	4.6	-	-	-	RNAV 1	-
Common	TF	MTR	N 50 16 34.59 E 008 50 55.05	N	(T013.7) 010	20.8	-	-	-	RNAV 1	-
Common	TF	TOBAK	N 50 34 17.93 E 008 47 08.81	N	(T352.3) 349	17.9	-	-	-	RNAV 1	-
Common	TF	APROX	N 50 43 30.87 E 008 42 57.08	N	(T343.9) 340	9.6	-	-	-	RNAV 1	-
Common	TF	MARUN	N 50 49 16.20 E 008 40 18.99	N	(T343.8) 340	6.0	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
MARUN 8S			MARUN EIGHT SIERRA		4000 ft		LANGEN RADAR 120.155 * Contact Langen Radar when advised by Tower!		1. For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2. 2. Will only be assigned by ATC when landing direction is 25. 3. Do not turn before DER.		
From RW18 on track 176°, at or above 800 ft. Direct to DF197. To DF156, maximum speed 220 kts. To DF164. To KUPIP. To TABUM. To LIKSI. To LORPA. To MARUN.							* Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.				
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
Common	FA	RW18	N 50 02 03.01 E 008 31 33.35	N	(T179.6) 176	-	-	A800+	-	RNAV 1	-
Common	DF	DF197	N 49 58 46.72 E 008 31 34.61	N	-	-	-	-	-	RNAV 1	-
Common	TF	DF156	N 49 56 02.20 E 008 27 27.91	N	(T224.1) 221	3.8	-	-	220-	RNAV 1	-
Common	TF	DF164	N 49 51 44.07 E 008 21 02.23	N	(T224.0) 221	6.0	-	-	-	RNAV 1	-
Common	TF	KUPIP	N 49 56 26.82 E 008 09 37.02	N	(T302.6) 299	8.8	-	-	-	RNAV 1	-
Common	TF	TABUM	N 50 17 27.33 E 008 24 18.21	N	(T024.1) 021	23.1	-	-	-	RNAV 1	-
Common	TF	LIKSI	N 50 28 23.50 E 008 30 16.44	N	(T019.2) 016	11.6	-	-	-	RNAV 1	-
Common	TF	LORPA	N 50 43 32.42 E 008 37 32.69	N	(T016.9) 014	15.9	-	-	-	RNAV 1	-
Common	TF	MARUN	N 50 49 16.20 E 008 40 18.99	N	(T017.0) 014	6.0	-	-	-	RNAV 1	-