

FRANKFURT-HAHN
RWY 21

STANDARD DEPARTURE
ROUTES - INSTRUMENT (SID)
RNAV (GPS, DME/DME, DME/DME/IRU)

General Remarks

1.	WARNING! CLOSE-IN OBSTACLES. SEE OBSTACLE CHART.
2.	PDG 3.5% (215 ft/NM) until passing 1900 due to obstacles.
3.	1. RNAV-1 EQUIVALENT. 2. RADAR REQUIRED. 3. FOR NON GPS-EQUIPPED AIRCRAFTS DMEs FHH, NTM, LUX MUST BE OPERATIONAL. 4. FOR OPERATIONAL REGULATIONS REFER TO AIP ENR 1.5.
4.	PARTS OF IFR PROFILES WITHIN AIRSPACE CLASS E. WATCH OUT FOR VFR TRAFFIC UNKNOWN TO ATC.

Designator	Route			After Take-Off				Procedure Remarks/ Procedure Timesheet		
				Climb to		Contact				
ULKIG 1L	ULKIG ONE LIMA Climb on track 211° to FH076; RT, direct to FH077; to SOMIM; to ULKIG. Climb with 3.5% (215 ft/NM) until passing 1900. Cross FH076 at or above 5000. MAX IAS 230 KT until crossing SOMIM.			5000 ft		Langen Radar 125.600 Contact Langen Radar immediately after take-off!		1. PDG 5.7% (350 ft/NM) until passing 5000 due to airspace structure and NLFS. 2. Additional conventional first segment description: Climb on track 211° to 4000, direct to FH076.		
Recommen- ded 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	Remarks
CA	-	-	-	(T212.5) 211	-	-	A2100+	-	RNAV-1	-
DF	FH076	N 49 47 40.87 E 007 06 25.43	Y	-	-	-	A5000+	-	RNAV-1	-
DF	FH077	N 49 50 58.45 E 007 00 42.23	-	-	-	R	-	-	RNAV-1	-
TF	SOMIM	N 49 56 58.00 E 007 11 51.00	-	(T050.2) 049	9.4	-	-	230-	RNAV-1	-
TF	ULKIG	N 49 52 11.00 E 007 43 10.00	-	(T103.1) 102	20.8	-	-	-	RNAV-1	-

Designator	Route			After Take-Off				Procedure Remarks/ Procedure Timesheet		
				Climb to		Contact				
ULKIG 1S	ULKIG ONE SIERRA Climb on track 211° to FH070; RT, direct to FH071; to SOMIM; to FH081; to ULKIG. Climb with 3.5% (215 ft/NM) until passing 1900. Cross FH070 at or above 5000. MAX IAS 230 KT until crossing SOMIM.			5000 ft		Langen Radar 125.600 Contact Langen Radar immediately after take-off!		1. Not to be used during activity of NLFS. 2. PDG 10.0% (610 ft/NM) until passing 5000 due to airspace structure. 3. Additional conventional first segment description: Climb on track 211° to 4000, direct to FH070.		
Recommen- ded 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	Remarks
CA	-	-	-	(T212.5) 211	-	-	A2100+	-	RNAV-1	-
DF	FH070	N 49 51 51.20 E 007 10 40.42	Y	-	-	-	A5000+	-	RNAV-1	-
DF	FH071	N 49 54 47.97 E 007 06 16.47	-	-	-	R	-	-	RNAV-1	-
TF	SOMIM	N 49 56 58.00 E 007 11 51.00	-	(T058.9) 057	4.2	-	-	230-	RNAV-1	-
TF	FH081	N 49 53 20.80 E 007 35 38.98	-	(T103.1) 102	15.8	-	-	-	RNAV-1	-
TF	ULKIG	N 49 52 11.00 E 007 43 10.00	-	(T103.4) 102	5.0	-	-	-	RNAV-1	-