

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

FRANKFURT-HAHN  
RWY 21

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				
<b>RUDOT 1L</b>	<b>RUDOT ONE LIMA</b> Climb on track 211° to FH076; RT, direct to FH078; to RUDOT. Climb with 3.5% (215 ft/NM) until passing 1900. Cross FH076 at or above 5000. MAX IAS 250 KT until crossing RUDOT.			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.		
Recommended 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	FH078	N 49 48 22.98 E 006 59 15.59	-	-	-	R	-	-	RNAV-1	-
TF	RUDOT	N 49 59 35.73 E 006 54 16.19	-	(T344.0) 343	11.7	-	-	250-	RNAV-1	-

Designator	Route			After Take-Off				Procedure Remarks/ Procedure Timesheet		
				Climb to		Contact				
<b>RUDOT 1S</b>	<b>RUDOT ONE SIERRA</b> Climb on track 211° to FH070; RT, direct to FH073; to FH080; to RUDOT. Climb with 3.5% (215 ft/NM) until passing 1900. Cross FH070 at or above 5000. MAX IAS 230 KT until crossing FH073. MAX IAS 250 KT until crossing FH080.			5000 ft		Langen Radar 125.600 Contact Langen Radar immediately after take-off!		1. Not to be used during activity of NLFS. 2. PDG 10.1% (615 ft/NM) until passing 5000 due to airspace structure. 3. Additional conventional first segment description: Climb on track 211° to 4000, direct to FH070.		
Recommended 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	FH073	N 49 52 29.28 E 007 04 49.11	-	-	-	R	-	230-	RNAV-1	-
TF	FH080	N 49 59 00.10 E 007 02 15.78	-	(T345.8) 344	6.7	-	-	250-	RNAV-1	-
TF	RUDOT	N 49 59 35.73 E 006 54 16.19	-	(T276.6) 275	5.2	-	-	-	RNAV-1	-