

KOELN/BONN
RNAV (GPS, DME/DME/IRU) RWY 31R

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
COL 1R			COL ONE ROMEO		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Cross DK041 at or above 700 due to procedure requirement. 2. Daytime only: Pass DK037 at or above 5000 due to glider Area. If unable to comply advise ATC upon start-up. 3. Noise abatement route for aircraft up to 98.0 MTOW and Airbus A300/A330 only.		
Climb direct DK041. RT direct DK035. To DK037, to COL. Cross DK041 at or above 700. Daytime: Pass DK037 at or above 5000. MAX IAS 210 kts until passing DK035.											
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	DF	DK041	N 50 53 12.65 E 007 07 11.70	Y	-	-	-	A700+	210-	RNAV 1	-
Common	DF	DK035	N 50 56 03.43 E 007 08 14.53	N	-	-	R	-	210-	RNAV 1	-
Common	TF	DK037	N 50 59 24.64 E 007 18 49.71	N	(T063.3) 060	7.5	-	A5000+	-	RNAV 1	-
Common	TF	COL	N 50 47 00.88 E 007 35 38.29	N	(T139.3) 136	16.4	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
COL 4B			COL FOUR BRAVO		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Cross DK034 at or above 700 due to procedure requirement. 2. Daytime only: Pass DK037 at or above 5000 due to glider Area. If unable to comply advise ATC upon start-up. 3. Aircraft up to 98.0 MTOW and Airbus A300/A330 shall file ROMEO SID.		
Climb direct DK034. RT direct DK035. To DK037, to COL. Cross DK034 at or above 700. Daytime: Pass DK037 at or above 5000. MAX IAS 210 kts until passing DK035.											
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	DF	DK034	N 50 53 03.71 E 007 07 24.33	Y	-	-	-	A700+	210-	RNAV 1	-
Common	DF	DK035	N 50 56 03.43 E 007 08 14.53	N	-	-	R	-	210-	RNAV 1	-
Common	TF	DK037	N 50 59 24.64 E 007 18 49.71	N	(T063.3) 060	7.5	-	A5000+	-	RNAV 1	-
Common	TF	COL	N 50 47 00.88 E 007 35 38.29	N	(T139.3) 136	16.4	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
KUMIK 1B			KUMIK ONE BRAVO		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Cross DK034 at or above 700 due to procedure requirement. 2. Daytime only: Pass DK031 at or above 5000, pass DK038 at or above FL 70, due to glider Area. If unable to comply advise ATC upon start-up. 3. Aircraft up to 98.0 MTOW and Airbus A300/A330 shall file ROMEO SID.		
Climb direct DK034. RT direct DK035. To DK031, to DK038, to PODIP, to KUMIK. Cross DK034 at or above 700. Daytime: Pass DK031 at or above 5000 and DK038 at or above FL 70. MAX IAS 210 kts until passing DK035.											
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	DF	DK034	N 50 53 03.71 E 007 07 24.33	Y	-	-	-	A700+	210-	RNAV 1	-
Common	DF	DK035	N 50 56 03.43 E 007 08 14.53	N	-	-	R	-	210-	RNAV 1	-
Common	TF	DK031	N 50 59 11.37 E 007 18 07.47	N	(T063.3) 060	7.0	-	A5000+	-	RNAV 1	-
Common	TF	DK038	N 51 01 19.86 E 007 24 55.17	N	(T063.4) 060	4.8	-	FL70+	-	RNAV 1	-
Common	TF	PODIP	N 50 56 33.80 E 007 49 10.05	N	(T107.1) 104	16.1	-	-	-	RNAV 1	-
Common	TF	KUMIK	N 50 50 11.71 E 008 04 23.97	N	(T123.4) 120	11.6	-	-	-	RNAV 1	-