

KOELN/BONN

STANDARD INSTRUMENT DEPARTURE

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

ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
KUMIK 1R			KUMIK ONE ROMEO Climb direct DK041. RT direct DK035. To DK031, to DK038, to PODIP, to KUMIK. Cross DK041 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.		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 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. Noise abatement route for aircraft up to 98.0 MTOW and Airbus A300/A330 only.		
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	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	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
NVO 3B			NVO THREE BRAVO Climb on course 314° to 700. Direct DK040. To DK919. To NVO. Pass DK040 at or above 1000. MAX IAS 195 KT until passing DK040.		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Pass DK040 at or above 1000 due to procedure requirement. 2. MAX IAS 195 KT until passing DK040 due to noise abatement. 3. Aircraft with RNP-1 and RF-leg functionality shall file ROMEO-SID. 4. ATC may issue an altitude restriction at DK919 due to traffic at ETNN.		
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	CA	-	-	-	(T317.5) 314	-	-	A700+	-	RNAV 1	-
Common	DF	DK040	N 50 55 00.04 E 007 04 37.86	N	-	-	-	A1000+	195-	RNAV 1	-
Common	TF	DK919	N 50 54 08.80 E 007 00 36.08	N	(T251.5) 248	2.7	-	-	-	RNAV 1	-
Common	TF	NVO	N 50 49 21.63 E 006 38 11.52	N	(T251.5) 248	15.0	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
PODIP 9B			PODIP NINE BRAVO Climb direct DK034. RT direct DK035. To DK031, to DK038, to PODIP. 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.		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.		
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	-