

KOELN/BONN
RNAV (GPS, DME/DME/IRU) RWY 24

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
COL 7D			COL SEVEN DELTA Climb on course 241° to 700. Direct DK021. To DK022. To DK024. To COL. Pass DK021 at or above 1100. Pass DK024 at or above 4000. MAX IAS 220 kts until passing DK021. MAX IAS 250 kts until passing DK022.		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Pass DK024 at or above 4000 due to crossing final approach RWY 31L/R. If unable to comply advise ATC upon start-up. 2. Pass DK021 at or above 1100 due to procedure requirement.		
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	-	-	-	(T244.4) 241	-	-	A700+	220-	RNAV 1	-
Common	DF	DK021	N 50 50 14.26 E 007 02 55.16	N	-	-	-	A1100+	220-	RNAV 1	-
Common	TF	DK022	N 50 46 23.72 E 007 05 11.90	N	(T159.4) 156	4.1	-	-	250-	RNAV 1	-
Common	TF	DK024	N 50 46 29.99 E 007 09 55.29	N	(T088.0) 085	3.0	-	A4000+	-	RNAV 1	-
Common	TF	COL	N 50 47 00.88 E 007 35 38.29	N	(T088.0) 085	16.3	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
KUMIK 6D			KUMIK SIX DELTA Climb on course 241° to 700. Direct DK021. To DK022. To DK024. To COL. To KUMIK. Pass DK021 at or above 1100. Pass DK024 at or above 4000. MAX IAS 220 kts until passing DK021. MAX IAS 250 kts until passing DK022.		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Pass DK024 at or above 4000 due to crossing final approach RWY 31L/R. If unable to comply advise ATC upon start-up. 2. Pass DK021 at or above 1100 due to procedure requirement.		
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	-	-	-	(T244.4) 241	-	-	A700+	220-	RNAV 1	-
Common	DF	DK021	N 50 50 14.26 E 007 02 55.16	N	-	-	-	A1100+	220-	RNAV 1	-
Common	TF	DK022	N 50 46 23.72 E 007 05 11.90	N	(T159.4) 156	4.1	-	-	250-	RNAV 1	-
Common	TF	DK024	N 50 46 29.99 E 007 09 55.29	N	(T088.0) 085	3.0	-	A4000+	-	RNAV 1	-
Common	TF	COL	N 50 47 00.88 E 007 35 38.29	N	(T088.0) 085	16.3	-	-	-	RNAV 1	-
Common	TF	KUMIK	N 50 50 11.71 E 008 04 23.97	N	(T079.9) 077	18.5	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
NVO 2D			NVO TWO DELTA Climb on course 241° to 700. Direct DK020. To NVO. Pass DK020 at or above 1100. Pass DK025 at or above 3000. MAX IAS 220 kts until passing DK020.		5000 ft		LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.		1. Pass DK025 at or above 3000 due to CTR Border. 2. Pass DK020 at or above 1100 due to procedure requirement.		
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	-	-	-	(T244.4) 241	-	-	A700+	220-	RNAV 1	-
Common	DF	DK020	N 50 50 30.69 E 007 03 49.16	N	-	-	-	A1100+	220-	RNAV 1	-
Common	TF	DK025	N 50 50 19.21 E 006 59 24.45	N	(T266.1) 263	2.8	-	A3000+	-	RNAV 1	-
Common	TF	NVO	N 50 49 21.63 E 006 38 11.52	N	(T266.1) 263	13.5	-	-	-	RNAV 1	-