

KÖLN/BONN
RWY 32R

STANDARD DEPARTURE
ROUTES – INSTRUMENT
(SID)

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
SONEB 3B	SONEB THREE BRAVO Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT, on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to intercept R196 WYP to WYP (Δ); LT, on track 314° to NOKDU (Δ); RT, on track 359° to ERKUM (Δ); RT, on track 005° to SONEB (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK036[L] - WYP[L] - NOKDU[R] - ERKUM[R] - SONEB.	5000 ft	Langen Radar 118.750	<ol style="list-style-type: none"> MAX IAS 210 kt until established on R243 GMH. After WYP BRNAV equipment necessary. Only for flights with RFL 140 or above and flights to EDLE via WYP DCT BAM. Other flights proceed via PODIP.
SONEB 4W	SONEB FOUR WHISKEY Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT, on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to intercept R196 WYP to WYP (Δ); LT, on track 320° to LI (Δ); RT, on track 012° to NIKOG (Δ); LT, on track 349° to LUSIX (Δ); LT, on track 346° to SONEB (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK036[L] - WYP[L] - LI[R] - NIKOG[L] - LUSIX[L] - SONEB.			<ol style="list-style-type: none"> MAX IAS 210 kt until established on R243 GMH. By ATC only. After WYP BRNAV equipment necessary. Only for flights with RFL 140 or above and flights to EDLE via WYP DCT BAM. Other flights proceed via PODIP.
WYP 2B	WIPPER TWO BRAVO Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT, on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to intercept R196 WYP to WYP (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK036[L] - WYP.			<ol style="list-style-type: none"> MAX IAS 210 kt until established on R243 GMH. By ATC only.
PODIP 5B	PODIP FIVE BRAVO Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT, on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to 21.1 DME GMH; RT, on R106 WYP to PODIP (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK038[R] - PODIP.			<ol style="list-style-type: none"> MAX IAS 210 kt until established on R243 GMH. Daytime only: Climb with 7.0% (425 ft / NM) or more until passing 5000 due to airspace structure. If unable advise ATC upon start-up.
COL 9B	COLA NINE BRAVO Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to 25.7 DME GMH; RT on R319 COL to COL (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK037[R] - COL.			<ol style="list-style-type: none"> Only for local training flights at EDDK and for flights from EDDK to EDDF. MAX IAS 210 kt until established on R243 GMH. Daytime only: Climb with 7.0% (425 ft / NM) or more until passing 5000 due to airspace structure. If unable advise ATC upon start-up.
KUMIK 6B	KUMIK SIX BRAVO Inbound LJ NDB to 1.6 DME KBO or 700, whichever is later; RT on track 015° to 3.4 DME KBO; RT, on R243 GMH inbound GMH to 21.1 DME GMH; RT, on R106 WYP to PODIP; RT, on track 123° to KUMIK (Δ). GPS/FMS RNAV: [A700+] - DK034[R] - DK039[R] - DK035[K210-; R] - DK038[R] - PODIP[R] - KUMIK.			<ol style="list-style-type: none"> MAX IAS 210 kt until established on R243 GMH. After PODIP BRNAV equipment necessary. Daytime only: Climb with 7.0% (425 ft / NM) or more until passing 5000 due to airspace structure. If unable advise ATC upon start-up.
NOR 3B	NÖRVENICH THREE BRAVO Inbound LJ NDB to 2.7 DME KBO; LT, on R072 NOR to NOR (Δ). GPS/FMS RNAV: [A700+] - DK032[K195-; L] - NOR.		Langen Radar 135.350	<ol style="list-style-type: none"> MAX IAS 195 kt until established on R072 NOR. Flights intending to proceed above FL190 have to be able to cross FIR/UIR boundary (23.0 DME outbound NOR) at FL200 or above. If unable to comply, contact Delivery prior to start-up.

(Sample: DK034 fly-over way point)

Remain on TWR frequency until passing 2000,
then contact Langen Radar.