

STANDARD DEPARTURE
ROUTES – INSTRUMENT
(SID)KÖLN/BONN
RWY 14R

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
SONEB 3E	SONEB THREE ECHO Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL inbound COL; at 11.5 DME COL LT, on R164 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+] - DK142 - [A1500+; K200-; L] - <u>DK143</u> [L] - DK144[L] - DK145[K220-] - WYP[L] - NOKDU[R] - ERKUM[R] - SONEB.	5000 ft	Langen Radar 118.750	<ol style="list-style-type: none"> 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. MAX IAS 200 KT until established on R277 COL. MAX IAS 220 KT until established on R164 WYP.
SONEB 4C	SONEB FOUR CHARLIE Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL inbound COL; at 11.5 DME COL LT, on R164 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+] - DK142 - [A1500+; K200-; L] - <u>DK143</u> [L] - DK144[L] - DK145[K220-] - WYP[L] - LI[R] - NIKOG[L] - LUSIX[L] - SONEB.			<ol style="list-style-type: none"> 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. MAX IAS 200 KT until established on R277 COL. MAX IAS 220 KT until established on R164 WYP.
WYP 2E	WIPPER TWO ECHO Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL inbound COL; at 11.5 DME COL LT, on R164 WYP to WYP (Δ). GPS/FMS RNAV: [A700+] - DK142 - [A1500+; K200-; L] - <u>DK143</u> [L] - DK144[L] - DK145[K220-] - WYP.			<ol style="list-style-type: none"> By ATC only. MAX IAS 200 KT until established on R277 COL. MAX IAS 220 KT until established on R164 WYP.
PODIP 4E	PODIP FOUR ECHO Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL to COL (Δ); LT, on R041 COL to PODIP (Δ). GPS/FMS RNAV: [A700+] - DK142 - [A1500+; K200-; L] - COL[L] - PODIP.			MAX IAS 200 KT until established on R277 COL.
COL 6E	COLA SIX ECHO Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL to COL (Δ). GPS/FMS RNAV: [A700+] - DK142 - [A1500+; K200-; L] - COL.			<ol style="list-style-type: none"> Only for local training flights at EDDK and for flights from EDDK to EDDF. MAX IAS 200 KT until established on R277 COL.
KUMIK 3E	KUMIK THREE ECHO Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL to COL (Δ); LT, on R079 COL to KUMIK (Δ). GPS/FMS RNAV: [A700+] - DK142 - [A1500+; K200-; L] - COL[L] - DK150 - KUMIK.			<ol style="list-style-type: none"> Flights intending to proceed via Y854 shall intercept as follows: on R079 COL to 14.5 DME COL; RT to intercept. MAX IAS 200 KT until established on R277 COL.
NOR 2V	NÖRVENICH TWO VICTOR Inbound LV NDB to 3.5 DME KBO or 1500, whichever is later; LT, on R277 COL inbound COL; at 11.5 DME COL LT, on R164 WYP inbound WYP; at crossing R067 NOR LT, on R060 NOR to NOR (Δ). GPS/FMS RNAV: [A700+] - DK142 - [A1500+; K200-; L] - <u>DK143</u> [L] - DK144[L] - DK145[K220-] - <u>DK151</u> [L] - DK152 - NOR.			<ol style="list-style-type: none"> By ATC only. MAX IAS 200 KT until established on R277 COL. MAX IAS 220 KT until established on R164 WYP.
NOR 7E	NÖRVENICH SEVEN ECHO Direct LV NDB (5.0 DME KBO); RT, on track 200° to 7.2 DME KBO (CAT D replace track 200° by continuous RT); RT, on R106 NOR to NOR (Δ). Cross LV at 4000 or above. GPS/FMS RNAV: [A700+] - <u>LV</u> [A4000+; R] - DK148[R] - DK149[K220-] - NOR.		Langen Radar 135.350	<ol style="list-style-type: none"> PDG 12.1% / 740 ft per NM due to airspace structure. If unable to comply, file NOR 5C. 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. MAX IAS 220 KT until established on R106 NOR.
NOR 5C	NÖRVENICH FIVE CHARLIE Inbound LV NDB to 4.5 DME KBO; RT, on track 171° LV to 12.5 DME KBO; RT, on R125 NOR to NOR (Δ). GPS/FMS RNAV: [A700+] - LV[R] - <u>DK146</u> [R] - DK147 - 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: DK143 fly-over way point)

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