

STUTTGART
RWY 25

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Pilots of GPS/FMS-RNAV-equipped aircraft shall, if possible, use the supplementary GPS/FMS RNAV procedures which are described following the text "GPS / FMS RNAV:" and charted in addition on "CHART – INSTRUMENT (OVERLAY)". When using these supplementary GPS/FMS RNAV procedures, the pilot shall check and ensure that the underlying conventional flight procedures are adhered to by monitoring the information of the ground-based navigation aids. The ground-based navigation aids required for the use of the respective conventional flight procedure and the associated aircraft equipment shall remain in operation at all times.

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
ABTAL 4B	ABTAL FOUR BRAVO On R252 STG to 5.9 DME STG; LT, on track 164°; when crossing R231 STG LT (MAX IAS 125 KT until established on track 084°; CAT B, C, D: replace track 164° by continuous LT with MAX IAS 230 KT); on track 084° to TEDGO (Δ); LT, on track 065° to ABTAL (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5.1 % (310 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS046</u> [L] - DS047 (CAT A) - <u>DS052</u> (CAT A)[L] - DS048 (CAT A)[K125-] / (CAT B,C,D)[K230-] - TEDGO[L] - ABTAL.	5000 ft	Langen Radar 125.050	1. PDG 4% (245 ft/NM) due to obstacles, 5.1% (310 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. After passing 3500 BRNAV equipment necessary. 4. At TEDGO transition to (U)N869 or UL607 not possible.
DKB 9B	DINKELSBÜHL NINE BRAVO On R252 STG to 5.6 DME STG; RT (MAX IAS 230 KT until established on track 339°), on track 339°; intercept R233 LBU to LBU (Δ); RT, on R066 LBU / R246 DKB to DKB (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5 % (305 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS050</u> [R] - DS040[K230-] - DS041[R] - LBU[R] - DKB.			1. PDG 4% (245 ft/NM) due to obstacles, 5% (305 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. Only for flights to continue via N869 northeastbound or with destination EDDN, EDTY, EDQ*.
ETASA 4B	ETASA FOUR BRAVO On R252 STG to 5.6 DME STG; RT (MAX IAS 230 KT until established on track 339°), on track 339°; when crossing R238 LBU, RT; on track 029° to KOVAN (Δ), then on track 003° to ETASA (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5 % (305 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS050</u> [R] - DS040[K230-] - DS043[R] - KOVAN[L] - ETASA.			1. PDG 4% (245 ft/NM) due to obstacles, 5% (305 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. After crossing R238 LBU BRNAV equipment necessary. 4. Only for flights to EDDF, EDFC, EDFE, ETOU.
GEBNO 7B	GEBNO SEVEN BRAVO On R252 STG to 5.6 DME STG; RT (MAX IAS 230 KT until established on track 339°), on track 339°; intercept R233 LBU to LBU (Δ); RT, on R066 LBU / R246 DKB to 15.2 DME DKB; LT, on track 359° to GEBNO (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5 % (305 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS050</u> [R] - DS040[K230-] - DS041[R] - LBU[R] - DS051[L] - GEBNO.			1. PDG 4% (245 ft/NM) due to obstacles, 5% (305 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. After passing 15.2 DME DKB BRNAV equipment necessary. 4. Only for flights to continue via Z76 northbound with MAX FL 180.
KUNOD 2B	KUNOD TWO BRAVO On R252 STG to 5.9 DME STG; LT, on track 164°; when crossing R231 STG LT (MAX IAS 125 KT until established on track 084°; CAT B, C, D: replace track 164° by continuous LT with MAX IAS 230 KT); on track 084° to TEDGO (Δ); RT on track 137° to KUNOD (Δ). Climb with 4% (245 ft/NM) or more until passing 1900, climb with 4.3 % (260ft/NM) or more until passing 5000. GPS/FMS RNAV: [A1700+] - <u>DS046</u> [L] - DS047 (CAT A) - <u>DS052</u> (CAT A)[L] - DS048 (CAT A)[K125-] / (CAT B,C,D)[K230-] - TEDGO[R] - KUNOD.			1. PDG 4% (245 ft/NM) due to obstacles, PDG 4.3% (260 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. After passing 3500 BRNAV equipment necessary. 3. Initial departure turn calculated max. IAS 230KT/25° bank. 4. At TEDGO transition to (U)N869 or UL607 not possible.
KRH 5B	KARLSRUHE FIVE BRAVO On R252 STG to 5.6 DME STG; RT (MAX IAS 230 KT until established on track 339°), on track 339°; when crossing R238 LBU, LT; on track 337° to ABGAN (Δ); then on track 277° to KRH (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5 % (305 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS050</u> [R] - DS040[K230-] - DS042[L] - ABGAN[L] - KRH.			1. PDG 4% (245 ft/NM) due to obstacles, 5% (305 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. After crossing R238 LBU BRNAV equipment necessary. 4. Only for flights to EDDR, EDRZ, EDSB, ETAR, ETIP. 5. MAX FL 80, except weekends.
TEDGO 1B	TEDGO ONE BRAVO On R252 STG to 5.9 DME STG; LT, on track 164°; when crossing R231 STG LT (MAX IAS 125 KT until established on track 084°; CAT B, C, D: replace track 164° by continuous LT with MAX IAS 230 KT); on track 084° to TEDGO (Δ). Climb with 4 % (245 ft/NM) or more until passing 1900, climb with 5.1 % (310 ft/NM) or more until passing 4000. GPS/FMS RNAV: [A1700+] - <u>DS046</u> [L] - DS047 (CAT A) - <u>DS052</u> (CAT A)[L] - DS048 (CAT A)[K125-] / (CAT B,C,D)[K230-] - TEDGO.			1. PDG 4% (245 ft/NM) due to obstacles, 5.1% (310 ft/NM) due to airspace structure. If unable to comply, inform ATC. 2. Initial departure turn with 25° bank. 3. After passing 3500 BRNAV equipment necessary. Only for local IFR training flights at EDDS and for flights to ETHL.

(Sample: DS046 fly-over way point)

Contact Langen Radar immediately after take-off!