

STANDARD DEPARTURE
ROUTES – INSTRUMENT
(SID)

FRANKFURT MAIN
RWY 25L / 25C
SIDs with Route Designator **FOXTROT**

1. **Between 0600 (0500) and 2100 (2000):**
 - 1.1. Aircraft via **BIBTI, MARUN, TOBAK** shall use SIDs with designators:
 - **MIKE** for 3- and 4-engined **HEAVY** and **SUPER** aircraft and all **MEDIUM** and **LIGHT** aircraft **able to comply** with the climb restrictions;
 - **JULIETT** for 2-engined **HEAVY** aircraft **able to comply** with the climb restrictions, if unable file **GOLF**;
 - **FOXTROT** (by ATC only) for **MEDIUM** and **LIGHT** aircraft **able to comply** with the climb restrictions;
 - **GOLF** for all aircraft **unable to comply** with climb restrictions;
 - 1.2. Traffic to all other directions shall use SIDs with designators:
 - **FOXTROT** for all **MEDIUM** and **LIGHT** aircraft;
 - **GOLF** for all **HEAVY** and **SUPER** aircraft.
2. **Between 2100 (2000) and 0600 (0500):**
 - 2.1. All 3- and 4-engined jet aircraft, except Avroliner, BAe 146, FA 50 and FA 90, via **BIBTI, MARUN, TOBAK & SOBRA** shall use SIDs with designator **NOVEMBER**.
 - 2.2. Single- and twin-engined aircraft shall use SIDs according to **paragraphs 1 and 3**.
3. SIDs with designator **PAPA** may be used by **single and twin-engined propeller-driven** aircraft and **DASH 7** only.
4. **NON-RNAV (enroute only)** equipped aircraft shall use SIDs with designator **QUEBEC**.

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
ANEKI 8F	ANEKI EIGHT FOXTROT On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT (MAX IAS 210 KT until established on R356 RID), on R356 RID to RID (Δ); on R183 RID to ANEKI (Δ). Cross 3.0 DME RID south of RID at 5000 or above. Cross 10.0 DME RID south of RID at 6000 or above. GPS/FMS RNAV: [A800+] - DF134 (25C)[L] / DF135 (25L)[L] - DF141 (25C) / DF142 (25L) - DF143[L] - DF137[K 210-; R] - RID[R] - ANEKI.	5000 ft	Langen Radar 136.125*	
BIBTI 3F	BIBTI THREE FOXTROT On RWY track to 5.0 DME FFM/2.0 DME FRD or 800, whichever is later; RT MT 275° (RWY 25L: MT 278°), on R258 FFM to 13.7 DME FFM; RT, on track 293° to ESUP; RT, on track 307° to MASIR; RT, on track 335° via RAVKI to DITAM; LT, on track 326° via OBOKA to BIBTI (Δ). Cross 13.7 DME FFM at 3600 or above. GPS/FMS RNAV: [A800+] - DF234 (25C)[R] / DF235 (25L)[R] - DF133[L] - DF136[A3600+; R] - ESUP[R] - MASIR[R] - RAVKI - DITAM[L] - OBOKA - BIBTI.		Langen Radar 120.150*	1. PDG 5.8% / 350ft/NM until passing 3600 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. Flights via BIBTI and UZ28/UZ29 to UK or beyond, except for flights terminating within LONDON TMA. 3. Flights via UZ29 have to cross BIBTI at FL 250 or above. If unable to comply, request routing via UZ28 crossing BIBTI at FL 210 or above. 4. Also for flights destination EDDK or continuing VFR after OBOKA / BIBTI. Traffic with DEST EDDK shall file SID BIBTI - OBOKA - DCT. In case of radio communication failure, flights with DEST EDDK shall proceed OBOKA - COL or OBOKA - WYP depending on RWY in use. 5. After 13.7 DME FFM BRNAV equipment necessary.
DKB 6F	DINKELSBÜHL SIX FOXTROT On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, inbound RID to 12.0 DME RID; LT (MAX IAS 210 KT until established on track 118°), on track 118° to AMTIX (Δ); LT, on track 102° to AKONI (Δ); RT, on track 130° to DKB (Δ). Cross R200 FFM at 2500 or above. GPS/FMS RNAV: [A800+] - DF134 (25C)[L] / DF135 (25L)[L] - DF141 (25C) / DF142 (25L) - DF143[L] - DF137[K210-] - DF159[2500+] - AMTIX[L] - AKONI[R] - DKB.		Langen Radar 136.125*	1. PDG 5.2% / 315 ft/NM until passing 2500 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. After crossing R200 FFM BRNAV equipment necessary. 3. Only for flights terminating within EDMM FIR.
MARUN 3F	MARUN THREE FOXTROT On RWY track to 5.0 DME FFM or 800, whichever is later; RT MT 275° (RWY 25L: MT 278°) to 8.4 DME FFM; RT, on R141 TAU to 11.4 DME TAU; RT, on track 016° to TABUM; RT, on track 018° to LIKSI; LT, on track 016° via LORPA to MARUN (Δ). Cross 8.4 DME FFM at 3500 or above. Cross 11.4 DME TAU at 4400 or above. GPS/FMS RNAV: [A800+] - DF234 (25C)[R] / DF235 (25L)[R] - DF233[A3500+; R] - DF132[A4400+; R] - TABUM[R] - LIKSI[L] - LORPA - MARUN.		Langen Radar 120.150*	1. PDG 12% / 750 ft/NM to 8.4 DME FFM (4.5 NM after DER*) due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. After 11.4 DME TAU BRNAV equipment necessary.
NOMBO 7F	NOMBO SEVEN FOXTROT On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, inbound RID to 12.0 DME RID; LT (MAX IAS 210 KT until established on track 118°), on track 118° to AMTIX (Δ); LT, on track 102° to AKONI (Δ); RT, on track 130° to HAREM (Δ); RT, on track 148° to LAMPU (Δ); LT, on track 134° via GEBNO to NOMBO (Δ). Cross R200 FFM at 2500 or above. GPS/FMS RNAV: [A800+] - DF134 (25C)[L] / DF135 (25L)[L] - DF141 (25C) / DF142 (25L) - DF143[L] - DF137[K210-] - DF159[A2500+] - AMTIX[L] - AKONI[R] - HAREM[R] - LAMPU[L] - GEBNO - NOMBO.		Langen Radar 136.125*	1. PDG 5.2% / 315 ft/NM until passing 2500 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. After crossing R200 FFM BRNAV equipment necessary. 3. Not for flights terminating within EDDN Area or EDMM FIR. 4. Not for propeller-driven aircraft. These flights shall file SID RATIM.

(Sample: DF134 fly-over way point)

* DER = Departure End of Runway

* Departure frequency may deviate from the frequency published.
Check ATIS for current departure frequency.

Contact LANGEN RADAR when advised by Tower!