

FRANKFURT MAIN
RWY 25L / 25C

STANDARD DEPARTURE
ROUTES – INSTRUMENT (SID)
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
RATIM 5F	RATIM FIVE 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° via AKONI (Δ) to RATIM (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 - RATIM.	5000 ft	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 propeller-driven aircraft (MAX RFL 230) instead of SID NOMBO. 4. Not for flights terminating within EDDN Area or EDMM FIR.
ROTEN 6F	ROTEN 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 ROTEN (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] - ROTEN.			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. 2. Only for flights terminating within EDDN Area.
SOBRA 4F	SOBRA FOUR FOXTROT On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, on track 198° to intercept R223 FFM; RT, on R223 FFM to 20.6 DME FFM; RT, on track 283° via DONAB to SOBRA (Δ). GPS/FMS RNAV: [A800+] - DF134 (25C)[L] / DF135 (25L)[L] - DF141 (25C) / DF142 (25L) - DF163[R] - DF201[R] - DONAB - SOBRA.		Langen Radar 120.150*	1. For flights intending to proceed at FL 250 or above via Y180/Y181. Flights have to be able to cross RUDOT at FL 240 or above. If unable to comply, flight plan shall read RUDOT FL 220 - Y180 - DIK RFL. 2. After 20.6 DME FFM BRNAV equipment necessary.
SULUS 7F	SULUS 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° via AKONI (Δ) to GIBSA (Δ); LT, on track 073° to WUR (Δ); LT, on track 053° to SULUS (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 - GIBSA[L] - WUR[L] - SULUS.		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 destination EDDN.
TOBAK 4F	TOBAK FOUR 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 040° to TESGA; LT, on track 038° to TOBAK (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] - TESGA[L] - TOBAK.		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. 3. Not for flights continuing via Z10.

(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!