

FRANKFURT MAIN
RWY 18
SIDs with Route Designator **LIMA & UNIFORM**

STANDARD DEPARTURE
ROUTES – INSTRUMENT
(SID)

NON-RNAV (enroute only) equipped aircraft shall use NON-RNAV SIDs with designator **CHARLIE** and **QUEBEC** respectively.

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
SOBRA 4L	SOBRA FOUR LIMA On RWY track to 800; on R356 RID to 6.4 DME RID, (MAX IAS 220 KT); RT, on R199 outbound FFM to 17.3 DME FFM; RT, on track 283° via ROSIG and DONAB to SOBRA (Δ). Cross 6.4 DME RID north of RID max. 4000. Cross ROSIG at FL 90 or above. Cross DONAB at FL 110 or above. GPS/FMS RNAV: [A800+] - DF160[K220-; A4000-; R] - DF198[R] - ROSIG[F090+] - DONAB[FL110+] - SOBRA.	4000 ft	Langen Radar 136.125*	1. PDG 7.5% / 455 ft/NM until passing FL 90 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up and expect routing via SID SOBRA U. 2. 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. 3. After 17.3 DME FFM BRNAV equipment necessary.
SOBRA 4U	SOBRA FOUR UNIFORM On RWY track to 800; on R356 RID to 6.4 DME RID, (MAX IAS 220 KT); RT, on R199 outbound FFM to 19.4 DME FFM; RT, (max. 250 KIAS during turn) on track 264° to PIPX; RT, (max. 250 KIAS during turn) on track 297° via VETUX to SOBRA (Δ). Cross 6.4 DME RID north of RID max. 4000. Cross PIPX at FL 90 or above. Cross VETUX at FL 100. GPS/FMS RNAV: [A800+] - DF160[K220-; A4000-; R] - DF200[K250-; R] - PIPX[K250-; F090+; R] - VETUX[F100] - SOBRA.			1. PDG 5.4% / 330 ft/NM until passing FL 90 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up and expect routing via SID ULKIG U. 2. 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. 3. After 19.4 DME FFM BRNAV equipment necessary.
SULUS 7L	SULUS SEVEN LIMA On RWY track to 800; on R356 RID to 3.0 DME RID; LT, (MAX IAS 220 KT until established on R092 RID) on R092 RID to AMTIX (Δ); RT, on track 102° via AKONI (Δ) to GIBSA (Δ); LT, on track 073° to WUR (Δ); LT, on track 053° to SULUS (Δ). GPS/FMS RNAV: [A800+] - RID[K220-; L] - AMTIX[R] - AKONI - GIBSA[L] - WUR[L] - SULUS.			After AMTIX BRNAV equipment necessary.
ULKIG 5U	ULKIG FIVE UNIFORM On RWY track to 800; on R356 RID to 6.4 DME RID, (MAX IAS 220 KT); RT, on R199 outbound FFM to 19.4 DME FFM; RT, (MAX IAS 250 KT during turn) on track 264° to PIPX; RT, (MAX IAS 250 KT during turn) on track 283° to GISNO; RT, (MAX IAS 250 KT during turn) on track 318° to ULKIG (Δ). GPS/FMS RNAV: [A800+] - DF160[K220-; R] - DF200[K250-; R] - PIPX[K250-; R] - GISNO[K250-; R] - ULKIG.			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 19.4 DME FFM BRNAV equipment necessary.

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

Contact LANGEN RADAR when advised by Tower!