

STANDARD DEPARTURE
ROUTES - INSTRUMENT
(SID)

FRANKFURT MAIN
RWY 07C / 07R
SIDs with Route Designator **ECHO**

For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2

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
OBOKA 1E	OBOKA ONE ECHO On RWY track to 1.6 DME FRD/1.5 DME inbound FFM (RWY 07R: 1.5 DME FRD/1.5 DME inbound FFM) or 800, whichever is later; LT, on R356 FFM to ODAGA (Δ); LT, on track 287° to KUSOM (Δ); LT, on track 251° to GUBAX (Δ); RT, on track 293° to RAVKI (Δ); RT, on track 335° to DITAM (Δ); LT, on track 325° to OBOKA (Δ). Cross 2.8 DME FFM north of FFM at 2000 or above. GPS/FMS RNAV: [A800+] - DF139 (07C)[L] / DF140 (07R)[L] - DF146[A2000+] - ODAGA[L] - KUSOM[L] - GUBAX[R] - RAVKI[R] - DITAM[L] - OBOKA.	5000 ft	Langen Radar 120.155*	1. PDG 6.3% / 380ft/NM until passing 2000 due to obstacle. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. After ODAGA BRNAV equipment necessary. 3. Flights have to be able to cross OBOKA at FL 170 or above except flights to EDDK. If unable to comply, advise EDDF DELIVERY prior to start-up.
MARUN 5E	MARUN FIVE ECHO On RWY track to 1.6 DME FRD/1.5 DME inbound FFM (RWY 07R: 1.5 DME FRD/1.5 DME inbound FFM) or 800, whichever is later; LT, on R356 FFM to ODAGA (Δ); RT, on track 358° to TESGA (Δ); RT, on track 003° via ALIDI (Δ) to MARUN (Δ). Cross 2.8 DME FFM north of FFM at 2000 or above. GPS/FMS RNAV: [A800+] - DF139 (07C)[L] / DF140 (07R)[L] - DF146[A2000+] - ODAGA[R] - TESGA[R] - ALIDI - MARUN.			1. PDG 6.3% / 380ft/NM until passing 2000 due to obstacle. If unable to comply, advise EDDF DELIVERY prior to start-up. 2. After ODAGA BRNAV equipment necessary.

(Sample: DF144 fly-over way point)

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

Contact LANGEN RADAR when advised by Tower!