

STANDARD DEPARTURE
ROUTES - INSTRUMENT
(SID)

HANNOVER
RWY 27L

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
NIE 7F	NIENBURG SEVEN FOXTROT Climb straight ahead to 0.5 DME HBD west of HBD (2.0 DME HAD) or 600 ft, whichever is later; RT, on R135 NIE to NIE (Δ). Climb with 9% (550 ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV200[R] - NIE.	4000 ft	Bremen Radar 119.490	PDG due to airspace structure. If unable to comply, advise Tower as soon as possible.
CEL 8F	CELLE EIGHT FOXTROT Climb straight ahead to 0.5 DME HBD west of HBD (2.0 DME HAD) or 600 ft, whichever is later; RT, on R135 NIE to 4.2 DME HBD (201° to HW); RT, on track 357° until crossing R118; RT, on track 087° to CEL (Δ). Climb with 9% (550 ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV200[R] - DV201[R] - DV253[R] - CEL.			1. After passing R118 NIE B-RNAV equipment necessary. 2. See NIE F.
MULDO 8F	MULDO EIGHT FOXTROT Climb straight ahead to 0.5 DME HBD west of HBD (2.0 DME HAD) or 600 ft, whichever is later; RT, on R135 NIE to 4.2 DME HBD (201° to HW); RT, on track 357° until crossing R118 NIE; RT, on R285 HLZ via DOKOK (Δ) to MULDO (Δ). Climb with 9% (550 ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV200[R] - DV201[R] - DV252[R] - DV254 - DOKOK - MULDO.			See NIE F.
WERRA 3F	WERRA THREE FOXTROT Climb straight ahead to 3.3 DME HBD (4.7 DME HAD); LT, on track 208° HW to 10.4 DME HBD (12.0 DME HAD); LT on track 173° to ADSIN (Δ) to ROLUK (Δ) to TOLTA (Δ); on track 145° to WERRA (Δ). Climb with 9% (550ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV202[L] - DV257[L] - ADSIN - ROLUK - TOLTA[L] - WERRA.			1. After 10.4 DME HBD (12.0 DME HAD) B-RNAV equipment necessary. 2. See NIE F. 3. If glider area Hannover Southwest is announced active on ATIS: flights have to be able to cross ADSIN at FL100 or above; if unable to comply, advise ATC upon start-up.
WRB 8F	WARBURG EIGHT FOXTROT Climb straight ahead to 3.3 DME HBD (4.7 DME HAD); LT, on track 208° HW 10.4 DME HBD (12.0 DME HAD); LT on track 173° to ADSIN (Δ) to ROLUK (Δ) to TOLTA (Δ); RT on track 232° to WRB (Δ). Climb with 9% (550ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV202[L] - DV257[L] - ADSIN - ROLUK - TOLTA[R] - WRB.			1. Destination EDDF: SID ends at TOLTA. 2. See NIE F. 3. After 10.4 DME HBD (12.0 DME HAD) B-RNAV equipment necessary. 4. If glider area Hannover Southwest is announced active on ATIS: flights have to be able to cross ADSIN at FL100 or above; if unable to comply, advise ATC upon start-up.
VAXEV 1F	VAXEV ONE FOXTROT Climb straight ahead to 5.0 DME HBD (6.3 DME HAD); LT, on track 249° to DV206; RT on Track 263° to VAXEV (Δ). Climb with 8.6% (520 ft/NM) or more until passing 3000. GPS/FMS RNAV: [A600+] - DV205 [L; 3500+] - DV206 [R]- VAXEV.			1. After passing 5.0 DME HBD (6.3 DME HAD) B-RNAV equipment necessary. 2. See NIE F.
POVEL 3F	POVEL THREE FOXTROT Climb straight ahead to 3.3 DME HBD (4.7 DME HAD); LT, on track 208° HW until crossing R296 DLE; LT, on R289 DLE to DLE (Δ); LT, on R099 DLE to POVEL (Δ). Climb with 9% (550ft/NM) or more until passing 3500. GPS/FMS RNAV: [A600+] - DV202 [L] - DV256 [L] - DLE[L] - POVEL.			See NIE F.

(Sample: DV252 fly-over way point)

Contact Bremen Radar immediately after take-off!