

STANDARD DEPARTURE  
ROUTES - INSTRUMENT  
(SID)

HANNOVER  
RWY 27R

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
<b>NIE 9S</b>	<b>NIENBURG NINE SIERRA</b> Climb straight ahead to 2.0 DME HAD (R132 NIE) or 600 ft, whichever is later; RT, on R134 NIE to NIE (Δ). Climb with 12% (730 ft/NM) or more until passing 3000. <b>GPS/FMS RNAV:</b> [A600+] - DV250[R] - NIE.	4000 ft	Bremen Radar 119.490	PDG due to airspace structure. If unable to comply, advise Tower as soon as possible.
<b>CEL 6S</b>	<b>CELLE SIX SIERRA</b> Climb straight ahead to 2.0 DME HAD (R132 NIE) or 600 ft, whichever is later; RT, on R134 NIE to 5.2 DME HAD (4.5 DME HBD); RT, on track 357° until crossing R118 NIE; RT, on track 087° to CEL (Δ). Climb with 12% (730 ft/NM) or more until passing 4000. <b>GPS/FMS RNAV:</b> [A600+] - DV250[R] - DV251[R] - DV253[R] - CEL.			1. After passing R118 NIE B-RNAV equipment necessary. 2. See NIE S.
<b>MULDO 6S</b>	<b>MULDO SIX SIERRA</b> Climb straight ahead to 2.0 DME HAD (R132 NIE) or 600 ft, whichever is later; RT, on R134 NIE to 5.2 DME HAD (4.5 DME HBD); RT, on track 357° until crossing R118 NIE; RT, on R285 HLZ via DOKOK (Δ) to MULDO (Δ). Climb with 12% (730 ft/NM) or more until passing 4000. <b>GPS/FMS RNAV:</b> [A600+] - DV250[R] - DV251[R] - DV252[R] - DV254 - DOKOK - MULDO.			See NIE S.
<b>WERRA 3S</b>	<b>WERRA THREE SIERRA</b> Inbound HW; at 4.5 DME HAD (3.3 DME HBD) LT, on track 208° HW to 12.0 DME HAD (10.4 DME HBD); LT on track 173° via ADSIN (Δ) and ROLUK (Δ) on track 173° to TOLTA (Δ); on track 145° to WERRA (Δ). Climb with 11% (670 ft/NM) or more until passing 3000. <b>GPS/FMS RNAV:</b> [A600+] - HW[L] - DV257[L] - ADSIN - ROLUK - TOLTA[L] - WERRA.			1. After 12.0 DME HAD (10.4 DME HBD) B-RNAV equipment necessary. 2. See NIE S. 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, advice ATC upon start-up.
<b>WRB 3S</b>	<b>WARBURG THREE SIERRA</b> Inbound HW; at 4.5 DME HAD (3.3 DME HBD) LT, on track 208° HW to 12.0 DME HAD (10.4 DME HBD); LT on track 173° via ADSIN (Δ) and ROLUK (Δ) on track 173° to TOLTA (Δ); RT on track 232° to WRB (Δ). Climb with 11% (670 ft/NM) or more until passing 3000. <b>GPS/FMS RNAV:</b> [A600+] - HW[L] - DV257[L] - ADSIN - ROLUK - TOLTA[R] - WRB.			1. Destination EDDF: SID ends at TOLTA. 2. See NIE S. 3. After 12.0 DME HAD (10.4 DME HBD) 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, advice ATC upon start-up.
<b>VAXEV 1S</b>	<b>VAXEV ONE SIERRA</b> Climb straight ahead to 4.3 DME HAD (3.1 DME HBD); LT, on track 249° to DV206; RT on Track 263° to VAXEV (Δ). Climb with 11.4% (700 ft/NM) or more until passing 3000. <b>GPS/FMS RNAV:</b> [A600+] - DV204 [L; 2600+] - DV206 [R]- VAXEV.			1. After passing 4.3 DME HAD (3.1 DME HBD) B-RNAV equipment necessary. 2. See NIE S.
<b>POVEL 3S</b>	<b>POVEL THREE SIERRA</b> Inbound HW; at 4.5 DME HAD (3.3 DME HBD) 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 11% (670 ft/NM) or more until passing 3000. <b>GPS/FMS RNAV:</b> [A600+] - HW [L] - DV256 [L] - DLE[L] - POVEL.			See NIE S.

(Sample: DV252 fly-over way point)

Contact Bremen Radar immediately after take-off!