

KASSEL-CALDEN  
RWY 09

STANDARD DEPARTURE  
ROUTES – INSTRUMENT  
(SID)

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
ELNAT 1M	<b>ELNAT ONE MIKE</b> Climb straight ahead to 6.8 DME DKS; RT, on track 140° to cross R112 WRB; RT, on track 182° to ELNAT (Δ). <b>GPS/FMS RNAV:</b> [A1300+] - VK092[R] - VK096[R] - ELNAT.	5000 ft	Bremen Radar 126.650	After passing 3000 ft BRNAV equipment necessary.
EMBAD 1M	<b>EMBAD ONE MIKE</b> Climb straight ahead to 5.2 DME DKS; LT, on R095 WRB to 12.5 DME WRB; LT, on track 199° to EMBAD (Δ). <b>GPS/FMS RNAV:</b> [A1300+] - <u>VK090</u> [L] - VK093 - VK094[L] - EMBAD.			
XAROL 1M	<b>XAROL ONE MIKE</b> Climb straight ahead to 5.2 DME DKS; LT, on R095 WRB to 11.8 DME WRB; LT, on track 231° to XAROL (Δ). <b>GPS/FMS RNAV:</b> [A1300+] - <u>VK090</u> [L] - VK093 - VK094[L] - XAROL.			
WRB 2M	<b>WARBURG TWO MIKE</b> Climb straight ahead to 5.2 DME DKS; LT, on R095 WRB to WRB (Δ). <b>GPS/FMS RNAV:</b> [A1300+] - <u>VK090</u> [L] - VK093 - WRB.	4000 ft		Not to be used during activity of NLFS.
LUXUX 1M	<b>LUXUX ONE MIKE</b> Climb straight ahead to 5.2 DME DKS; LT, on track 045° to cross R101 WRB; LT, on track 023° to LUXUX (Δ). <b>GPS/FMS RNAV:</b> [A1300+] - VK091[L] - VK095[L] - LUXUX.	5000 ft		After passing 3000 ft BRNAV equipment necessary.
WERRA 1M	<b>WERRA ONE MIKE</b> Climb straight ahead to 5.2 DME DKS; LT, on track 045° to cross R101 WRB; RT, on track 069° to WERRA (Δ). Climb with 8% (500 ft/NM) or more until passing 5000. <b>GPS/FMS RNAV:</b> [A1300+] - VK091[L] - VK095[R] - WERRA.			1. After passing 3000 ft BRNAV equipment necessary. 2. PDG 8% (500 ft/NM) due to airspace structure. If unable to comply, advice ATC.

(Sample: VK090 fly-over way point)

Remain on TWR frequency until passing 2500, then contact Bremen Radar.