

STANDARD DEPARTURE  
ROUTES – INSTRUMENT  
(SID)

MEMMINGEN  
RWY 24

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>KPT 3A</b>	<b>KEMPTEN THREE ALPHA</b> On track 237° ALG to 5.3 DME ALD, LT, on track 166° to intercept R299 KPT to KPT (Δ). <b>GPS/FMS RNAV:</b> [A2500+] - JA242[L] - JA244[L] - KPT.	FL 70	München Radar 129.450	Not to be used during activation of NLFS. Expect Re-routing by ATC. Flights continuing via M738: PDG 4.9% (300 ft/NM) until reaching KPT.
<b>LUPOL 4A</b>	<b>LUPOL FOUR ALPHA</b> On track 237° ALG to 5.3 DME ALD, RT, on R312 KPT to 19.1 DME KPT, RT, on track 346° via NORGU to LUPOL (Δ). Cross NORGU at FL70 or above. <b>GPS/FMS RNAV:</b> [A2500+] - JA243[R] - JA245[R] - NORGU[F070+] - LUPOL.			1. PDG 5.8% (350 ft/NM) due to airspace structure. 2. After 19.1 DME KPT BRNAV equipment necessary. If unable to comply, request ALTN route by ATC.
<b>LUPOL 2T</b>	<b>LUPOL TWO TANGO</b> On track 237° ALG to 1.3 DME ALD or 3000, whichever is later. RT to intercept R326 KPT to LUPOL (Δ). <b>GPS/FMS RNAV:</b> [A2500+] - JA241[A3000+; R] - JA246 - LUPOL.			Not to be filed in FPL. For local IFR training flights only.

(Sample: JA241 fly-over way point)

Contact München Radar immediately after take-off!