

STANDARD DEPARTURE  
ROUTES – INSTRUMENT  
(SID)

MOENCHENGLADBACH  
RWY 13

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
<b>ROMIN 2M</b>	<b>ROMIN TWO MIKE</b> Climb straight ahead to 3.5 DME MHD (crossing R234 DUS); RT, on heading 224° to 13.0 DME DUS (crossing R173 MHV); RT on track 287° to ROMIN (▲). <b>GPS/FMS RNAV:</b> [ A600+] - LN131[R] - LN132[R] - ROMIN.	2000 ft	Langen Radar 128.555 121.355 128.655	After 13.0 DME DUS (crossing R173 MHV) BRNAV equipment necessary. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>SONEB 5A</b>	<b>SONEB FIVE ALPHA</b> Climb straight ahead to 3.5 DME MHD (crossing R234 DUS); RT, on heading 224° to 13.0 DME DUS (crossing R173 MHV); RT on track 318° to LN134 (Δ); RT, on track 015° to ABODU (Δ); RT, on track 019° via LN140 to SONEB (Δ). Cross LN140 at FL140 or above. <b>GPS/FMS RNAV:</b> [A600+] - LN131[R] - LN133[R] - LN134[R] - ABODU[R] - LN140[F140+] - SONEB.			1. After 13.0 DME DUS (crossing R173 MHV) BRNAV equipment necessary. 2. Only for flights with RFL140 or above via RKN/TENLI. Other flights proceed via ABODU on L179 to MEVEL. Flights must be able to cross LN140 at FL140 or above. If unable advise clearance Delivery upon start-up request. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>ABODU 4A</b>	<b>ABODU FOUR ALPHA</b> Climb straight ahead to 3.5 DME MHD (crossing R234 DUS); RT, heading 224° to 13.0 DME DUS (crossing R173 MHV); RT, on track 318° to LN134 (Δ); RT, on track 015° to ABODU (Δ). <b>GPS/FMS RNAV:</b> [A600+] - LN131[R] - LN133[R] - LN134[R] - ABODU.			After 13.0 DME DUS (crossing R173 MHV) BRNAV equipment necessary. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>NVO 2Z</b>	<b>NOERVENICH TWO ZULU</b> Climb straight ahead to 4.1 DME MHD (crossing R230 DUS); RT, on heading 219° to 15.0 DME DUS (crossing R341 NVO); LT, on R335 NVO to NVO(Δ). <b>GPS/FMS RNAV:</b> [ A600+] - LN135[R] - LN136[L] - NVO.			Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>GMH 8Z</b>	<b>GERMINGHAUSEN EIGHT ZULU</b> Climb straight ahead to 9.3 DME MHD (crossing R195 DUS); LT, on heading 085° to intercept and follow R265 GMH to GMH (Δ). <b>GPS/FMS RNAV:</b> [ A600+] - LN138[L] - GMH.			Only for flights with RFL 140 or below. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>MODRU 9M</b>	<b>MODRU NINE MIKE</b> Climb straight ahead to 4.1 DME MHD (crossing R230 DUS); RT, on heading 219° to LN137 (Δ); RT on track 259° to MODRU(Δ). <b>GPS/FMS RNAV:</b> [ A600+] - LN135[R] - LN137[R] - MODRU.			After passing 2000 ft BRNAV equipment necessary. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>NUDGO 4A</b>	<b>NUDGO FOUR ALPHA</b> Climb straight ahead to 9.3 DME MHD (crossing R195 DUS); LT, on heading 085° to intercept and follow R265 GMH to 18.6 DME GMH (crossing R341 COL); LT, on track 067° to MAMIB (Δ), on track 067° to KULIX(Δ); LT, on track 061° to NUDGO(Δ). <b>GPS/FMS RNAV:</b> [A600+] - LN138[L] - ELBAL[L] - MAMIB - KULIX[L] - NUDGO.			1. Not available for flights into upper airspace. 2. After 18.6 DME GMH (crossing R341 COL) BRNAV equipment necessary. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>KUMIK 3A</b>	<b>KUMIK THREE ALPHA</b> Climb straight ahead to 9.3 DME MHD (crossing R195 DUS); LT, on heading 085° to intercept and follow R265 GMH to 10.0 DME GMH (crossing R002 COL); RT, on track 141° to KUMIK(Δ). Cross DEGOM at FL150 or above. <b>GPS/FMS RNAV:</b> [A600+] - LN138[L] - DEGOM[F150+; R] - KUMIK.			1. After 10.0 DME GMH (crossing R002 COL) BRNAV equipment necessary. 2. Only for flights with RFL 150 or above. 3. Flights unable to cross DEGOM at FL 150 or above shall advise clearance Delivery upon start-up request. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>COL 3A</b>	<b>COLA THREE ALPHA</b> Climb straight ahead to 9.3 DME MHD (crossing R195 DUS); LT, on heading 085° to intercept and follow R265 GMH; at 31.0 DME GMH (crossing R317 COL); RT, on heading 102° to intercept and follow R327 COL to COL (Δ). Intercept R327 COL (LIPMI) at FL150 or above. <b>GPS/FMS RNAV:</b> [A600+] - LN138[L] - LN316[R] - LIPMI[F150+; R] - COL.			Flights unable to cross LIPMI at FL 150 or above shall advise clearance Delivery upon start-up request. Langen Radar Frequency will be assigned by Moenchengladbach TWR.
<b>Contact Langen Radar immediately after take-off!</b>				