

STANDARD DEPARTURE  
ROUTES – INSTRUMENT  
(SID)FRANKFURT-HAHN  
RWY 21

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
<b>DIK 1S</b>	<b>DIEKIRCH ONE SIERRA</b> On track 213° HAN to 6.0 DME HND, RT, on track 345° to intercept track 276° HAN to RUDOT (Δ); LT, on track 267° to BITBU (Δ). LT, on track 246° via ASMOX to DIK (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross DIK at or above FL170. <b>GPS/FMS RNAV:</b> [A2100+] - FH070[R] - FH073 - FH080[L] - RUDOT[L] - BITBU[L] - ASMOX - DIK[F170+].	5000 ft	Langen Radar 125.600	<ol style="list-style-type: none"> <li>1. Flights have to be able to cross DIK at or above FL170. If unable to comply, request DIK 1L.</li> <li>2. Not to be used during activity of NLFS.</li> <li>3. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>4. PDG 5.0% (300 ft/NM) or more until passing FL170 due to airspace structure.</li> <li>5. After RUDOT BRNAV equipment necessary.</li> </ol>
<b>DIK 1L</b>	<b>DIEKIRCH ONE LIMA</b> On track 213° HAN to 11.0 DME HND, RT, on track 344° to RUDOT (Δ), LT, on track 267° to BITBU (Δ), LT, on track 246° via ASMOX to DIK (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross 11.0 DME HND at 5000 or above. Cross DIK at or above FL170. <b>GPS/FMS RNAV:</b> [A2100+] - FH076[A5000+; R] - FH078 - RUDOT[L] - BITBU[L] - ASMOX - DIK[F170+].			<ol style="list-style-type: none"> <li>1. Flights have to be able to cross DIK at or above FL170. If unable to comply, request DIK 1Y.</li> <li>2. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>3. PDG 5.7% (345 ft/NM) or more until passing 5000 due to airspace structure and NLFS. If unable to comply, inform ATC.</li> <li>4. PDG 4.3% (260 ft/NM) or more until passing FL170 due to airspace structure.</li> <li>5. After 11.0 DME HND BRNAV equipment necessary.</li> </ol>
<b>DIK 1Y</b>	<b>DIEKIRCH ONE YANKEE</b> On track 213° HAN to 11.0 DME HND, RT, on track 344° to RUDOT (Δ), LT, on track 267° to BITBU (Δ), LT, on track 246° via ASMOX to DIK (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross 11.0 DME HND at 5000 or above. <b>GPS/FMS RNAV:</b> [A2100+] - FH076[A5000+; R] - FH078 - RUDOT[L] - BITBU[L] - ASMOX - DIK.			<ol style="list-style-type: none"> <li>1. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>2. PDG 5.7% (345 ft/NM) or more until passing 5000 due to airspace structure and NLFS. If unable to comply, inform ATC.</li> <li>3. After 11.0 DME HND BRNAV equipment necessary.</li> </ol>
<b>GEBDA 1S</b>	<b>GEBDA ONE SIERRA</b> On track 213° HAN to 6.0 DME HND, RT to SOMIM (Δ), RT, on track 102° to ABSIX (Δ), RT, on track 129° to OLIVI (Δ), RT, on track 145° to GEBDA (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. <b>GPS/FMS RNAV:</b> [A2100+] - FH070[R] - FH071 - SOMIM[R] - ABSIX[R] - OLIVI[R] - GEBDA.			<ol style="list-style-type: none"> <li>1. Only available between Friday 17:00 (16:00) and Monday 07:00 (06:00).</li> <li>2. Outside these times assigned by ATC only.</li> <li>3. Not to be used during activity of NLFS.</li> <li>4. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>5. After 6.0 DME HND BRNAV equipment necessary.</li> </ol>
<b>GEBDA 1L</b>	<b>GEBDA ONE LIMA</b> On track 213° HAN to 11.0 DME HND, RT to SOMIM (Δ), RT, on track 102° to ABSIX (Δ), RT, on track 129° to OLIVI (Δ), RT, on track 145° to GEBDA (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross 11.0 DME HND at 5000 or above. <b>GPS/FMS RNAV:</b> [A2100+] - FH076[A5000+; R] - FH077 - SOMIM[R] - ABSIX[R] - OLIVI[R] - GEBDA.			<ol style="list-style-type: none"> <li>1. Only available between Friday 17:00 (16:00) and Monday 07:00 (06:00).</li> <li>2. Outside these times assigned by ATC only.</li> <li>3. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>4. PDG 5.7% (345 ft/NM) or more until passing 5000 due to airspace structure and NLFS. If unable to comply, inform ATC.</li> <li>5. After 11.0 DME HND BRNAV equipment necessary.</li> </ol>
<b>IDARO 5L</b>	<b>IDARO FIVE LIMA</b> On track 213° HAN to 13.8 DME HND, RT, on track 241° to IDARO (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Climb with 4.2% (255 ft/NM) or more until passing 4900. <b>GPS/FMS RNAV:</b> [A2100+] - FH075[R] - IDARO.			<ol style="list-style-type: none"> <li>1. Only for flights proceeding via G21.</li> <li>2. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>3. PDG 4.2% (255 ft/NM) or more due to airspace structure. If unable to comply, inform ATC.</li> <li>4. After 13.8 DME HND BRNAV equipment necessary.</li> </ol>
<b>MAKIK 1S</b>	<b>MAKIK ONE SIERRA</b> On track 213° HAN to 6.0 DME HND, RT, on track 345° to intercept track 276° HAN to RUDOT (Δ); LT, on track 267° to BITBU (Δ), LT, on track 266° to MAKIK (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross MAKIK at or above FL160. <b>GPS/FMS RNAV:</b> [A2100+] - FH070[R] - FH073 - FH080[L] - RUDOT[L] - BITBU[L] - MAKIK[F160+].			<ol style="list-style-type: none"> <li>1. Flights have to be able to cross MAKIK at or above FL160. If unable to comply, request MAKIK 1L.</li> <li>2. Not to be used during activity of NLFS.</li> <li>3. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>4. PDG 5.0% (300 ft/NM) or more until passing FL160 due to airspace structure.</li> <li>5. After RUDOT BRNAV equipment necessary.</li> </ol>
<b>MAKIK 1L</b>	<b>MAKIK ONE LIMA</b> On track 213° HAN to 11.0 DME HND, RT, on track 344° to RUDOT (Δ), LT, on track 267° to BITBU (Δ), LT, on track 266° to MAKIK (Δ). Climb with 3.5% (215 ft/NM) or more until passing 1900. Cross 11.0 DME HND at 5000 or above. Cross MAKIK at or above FL160. <b>GPS/FMS RNAV:</b> [A2100+] - FH076[A5000+; R] - FH078 - RUDOT[L] - BITBU[L] - MAKIK[F160+].			<ol style="list-style-type: none"> <li>1. Flights have to be able to cross MAKIK at or above FL160. If unable to comply, request MAKIK 1Y.</li> <li>2. PDG 3.5% (215 ft/NM) or more due to obstacles.</li> <li>3. PDG 5.7% (345 ft/NM) or more until passing 5000 due to airspace structure and NLFS. If unable to comply, inform ATC.</li> <li>4. PDG 4.2% (255 ft/NM) or more until passing FL160 due to airspace structure.</li> <li>5. After 11.0 DME HND BRNAV equipment necessary.</li> </ol>
(Sample: FH070 fly-over way point)				
<b>Contact Langen Radar immediately after take-off!</b>				