

KOELN/BONN
RWY 13L

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator	Route	After Take-Off		Procedure remarks
		Climb to	Contact	
NVO 1Y	NVO ONE YANKEE On heading 134° until passing 720. RT to intercept and follow R154 KBO outbound to 12.5 DME KBO. RT on heading 297° to intercept and follow R117 NVO to NVO Δ. No turn before DER. Climb with 3.8% (235 ft/NM) or more until passing 800. Climb with 5.0% (305 ft/NM) to cross 12.5 NM DME KBO at or above 4000. MAX IAS 250 kts until intercept Radial NVO.	5000 ft	LANGEN RADAR 135.350 Remain on TWR frequency until passing 2000, then contact Langen Radar.	1. Only available if DVOR/DME KBO and DVOR NVO are operational. 2. Only for non RNAV-1 equipped Aircraft or when advised by ATC. 3. PDG 5.0% (535 ft/NM) to cross NVO at or above 4000 due to NVO coverage. 4. PDG 3.8% (235 ft/NM) due to obstacles.