

NIEDERRHEIN
RWY 27

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
VEBAK 4S	VEBAK FOUR SIERRA Climb on track 286° to 1.7 DME NID; RT, to LAA NDB; on track 142° LAA to VEBAK (△). Climb with 7% (425 ft/NM) or more until passing 3000 ft. GPS/FMS RNAV: LV200[A500+;R] - LV210[R] - LV201[R] - LV203[K220-] - LAA[L] - VEBAK.	5000 ft	Langen Radar 119.110	1. PDG due to airspace structure, if unable to comply advise ATC.
ERKUM 1S	ERKUM ONE SIERRA Climb on track 286° to 1.7 DME NID; RT, on track 066° to LV202; RT, on track 107° to ERKUM (△). Climb with 7% (425ft/NM) or more until passing 3000 ft. GPS/FMS RNAV: LV200[A500+;R] - LV210[R] - LV201[K220-] - LV202[R] - ERKUM.			1. PDG due to airspace structure, if unable to comply advise ATC. 2. After passing 2000 ft BRNAV equipment necessary.
SONEB 3S	SONEB THREE SIERRA Climb on track 286° to 1.7 DME NID; RT, on track 066° to LV204; LT, on track 032° to SONEB (△). Climb with 7% (425ft/NM) or more until passing 3000 ft. GPS/FMS RNAV: LV200[A500+;R] - LV210[R] - LV201[K220-] - LV204[L] - SONEB.			1. PDG due to airspace structure, if unable to comply advise ATC. 2. After passing 2000 ft BRNAV equipment necessary. 3. Only for flights with RFL140 or above. Other flights proceed via ERKUM. Expect clearance to cross 10 NM prior SONEB at FL140 or above. If unable advise clearance Delivery upon start-up request.

(Sample: LV200 fly-over way point)