

STANDARD DEPARTURE
ROUTES – INSTRUMENT
(SID)

DÜSSELDORF
RWY 23R

Designator	Route	After Take-Off		Remarks	
		Climb to	Contact		
1	2	3	4	5	
LMA 4L	LIMA FOUR LIMA On runway track to 1.1 DME DUS or 600 ft, whichever is later; RT, on track 297° LMA to LMA (Δ). Cross 8.0 DME DUS at 4000 or above. GPS/FMS RNAV: DL 237 - [A600+; R] - DL 238 [A4000+] - LMA.	5000 ft	Langen Radar 128.500	1. PDG 6.7% (410 ft/NM) due to airspace structure. If unable to comply, advise Delivery on start-up request. 2. Only for flights to EDLN.	
SONEB 3L	SONEB THREE LIMA On runway track to 1.0 DME DUS or 600 ft, whichever is later; RT, on R360 NOR to 45.1 DME NOR; RT, on track 005° to SONEB (Δ). GPS/FMS RNAV: DL231 - [A600+; R] - DL234 - DL233[K190-; L] - ERKUM[R] - SONEB.			1. After 45.1 DME NOR BRNAV equipment necessary. 2. Only for flights with RFL140 or above via RKN/TENLI. Other flights proceed via MEVEL. Expect clearance to cross 10 NM prior SONEB at FL140 or above. If unable advise clearance Delivery upon start-up request. 3. MAX IAS 190 KT until established on R360 NOR.	
MEVEL 8L	MEVEL EIGHT LIMA On runway track to 1.0 DME DUS or 600 ft, whichever is later; RT, on R360 NOR to 45.1 DME NOR; RT, on track 053° via LUSIX(Δ) to MEVEL(Δ). GPS/FMS RNAV: DL231 - [A600+; R] - DL234 - DL233[K190-; L] - ERKUM[R] - LUSIX - MEVEL.			1. After 45.1 DME NOR BRNAV equipment necessary. 2. Flights intending to proceed via Y850 to BASUM must be able to cross ARTER above FL245. If unable or planning below FL245, continue via L179 to OSN. 3. MAX IAS 190 KT until established on R360 NOR.	
GMH 6L	GERMINGHAUSEN SIX LIMA On track 230° DY to 4.5 DME DUS; LT, on R354 NOR to 20.6 DME NOR; LT, on R266 GMH to GMH (Δ). Climb with 7% (425 ft/NM) or more until passing 3000. GPS/FMS RNAV: [A600+] - DL240[L] - DL241[L] - GMH.			Langen Radar 133.775	1. PDG due to airspace structure. If unable to comply, advise Delivery on start-up request. 2. Only for flights with RFL 140 or below.
NOR 5U	NÖRVENICH FIVE UNIFORM On track 230° DY to 4.5 DME DUS; LT, on R354 NOR to NOR (Δ). Climb with 7% (425 ft/NM) or more until passing 3000. GPS/FMS RNAV: [A600+] - DL240[L] - NOR.				1. PDG due to airspace structure. If unable to comply, advise Delivery on start-up request. 2. For flights with RFL 90 and below. Flights with RFL 100 and above shall file via MODRU. 3. Additional available for flights via Q760 (between: 0500 (0400) - 0700 (0600)).
DODEN 5L	DODEN FIVE LIMA On track 230° DY to 4.5 DME DUS; LT, on R354 NOR to 20.6 DME NOR; LT, on R266 GMH to 21.1 DME GMH; RT, on track 135° to BETZO(Δ); RT, on track 147° to DODEN(Δ). Climb with 7% (425ft/NM) or more until passing 3000. Cross 21.1 DME GMH at FL150 or above. Cross DODEN at FL250 or above. GPS/FMS RNAV: [A600+] - DL240[L] - DL241[L] - DL242[F150+] - ELBAL[R] - BETZO[R] - DODEN[F250+].				1. PDG due to airspace structure. If unable to comply, advise Delivery on start-up request. 2. After 21.1 DME GMH BRNAV equipment necessary. 3. Only for jet flights with RFL 250 or above. Flights shall cross DODEN at FL 250 or above. Flights unable shall file SID KUMIK. Flights unable to cross DL242 at FL 150 or above shall advise clearance Delivery upon start-up request.
NUDGO 2L	NUDGO TWO LIMA On track 230° DY to 4.5 DME DUS; LT, on R354 NOR to 20.6 DME NOR; LT, on R266 GMH to 18.6 DME GMH; LT, on track 068° via MAMIB (Δ) to KULIX (Δ); LT, on track 062° to NUDGO (Δ). Climb with 7% (425ft/NM) or more until passing 3000. GPS/FMS RNAV: [A600+] - DL240[L] - DL241[L] - ELBAL[L] - MAMIB - KULIX[L] - NUDGO.				1. PDG due to airspace structure. If unable to comply, advise Delivery on start-up request. 2. Not available for flights into upper airspace. 3. After 18.6 DME GMH BRNAV equipment necessary.

(Sample: DL231 fly-over way point)

Remain on TWR-Frequency until passing altitude 2000 ft.