

HAMBURG  
RNAV RWY 23

STANDARD INSTRUMENT DEPARTURE  
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
<b>AMLUH 3B</b>			<b>AMLUH THREE BRAVO</b> Climb on course 226° to 500, direct to DH111; LT, direct to DH108, to DH109, to DH115, to AMLUH. Pass DH109 at 4000 or above. Max. IAS 210 Kts until passing DH108.		5000 ft		BREMEN RADAR 120.540 Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar.		1. If unable to pass DH109 at 4000 or above, advice ATC upon start-up. 2. Altitude constraint at DH109 due to procedural requirements.		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Common	CA	-	-	-	(T230.3) 226	-	-	A500+	-	RNAV 1	-
Common	DF	DH111	N 53 34 31.74 E 009 52 32.92	Y	-	-	-	-	-	RNAV 1	-
Common	DF	DH108	N 53 30 53.30 E 009 54 40.42	N	-	-	L	-	210-	RNAV 1	-
Common	TF	DH109	N 53 30 50.65 E 009 58 50.22	N	(T091.0) 087	2.5	-	A4000+	-	RNAV 1	-
Common	TF	DH115	N 53 30 48.07 E 010 02 41.42	N	(T091.0) 087	2.3	-	-	-	RNAV 1	-
Common	TF	AMLUH	N 53 25 44.35 E 010 19 21.03	N	(T116.9) 113	11.2	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
<b>ELSOB 3B</b>			<b>ELSOB THREE BRAVO</b> Climb on course 226° to 500, direct to DH111; RT, on course 296° to ELSOB. Pass ELSOB at 4000 or above. Max. IAS 210 Kts until passing DH111.		5000 ft		BREMEN RADAR 120.540 Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar.		-		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Common	CA	-	-	-	(T230.3) 226	-	-	A500+	-	RNAV 1	-
Common	DF	DH111	N 53 34 31.74 E 009 52 32.92	Y	-	-	-	-	210-	RNAV 1	-
Common	CF	ELSOB	N 53 39 09.33 E 009 34 46.13	N	(T300.4) 296	-	-	A4000+	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
<b>HABFU 1B</b>			<b>HABFU ONE BRAVO</b> Climb on course 226° to 500, direct to DH100, to DH105, to DH167, to DH117, to HABFU. Max. IAS 210 Kts until passing DH100.		5000 ft		BREMEN RADAR 120.540 Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar.		-		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Common	CA	-	-	-	(T230.3) 226	-	-	A500+	-	RNAV 1	-
Common	DF	DH100	N 53 34 02.65 E 009 51 33.05	N	-	-	-	-	210-	RNAV 1	-
Common	TF	DH105	N 53 29 16.85 E 009 41 46.94	N	(T230.8) 227	7.5	-	-	-	RNAV 1	-
Common	TF	DH167	N 53 22 56.55 E 009 25 39.87	N	(T236.7) 233	11.5	-	-	-	RNAV 1	-
Common	TF	DH117	N 53 19 25.31 E 009 16 47.05	N	(T236.5) 232	6.4	-	-	-	RNAV 1	-
Common	TF	HABFU	N 52 57 03.21 E 009 10 09.41	N	(T190.1) 186	22.8	-	-	-	RNAV 1	-