

HAMBURG  
RNAV RY 23

STANDARD INSTRUMENT ARRIVAL ROUTES  
(STAR)

Designator		BOGMU 3P										
		BOGMU THREE PAPA										
Procedure Remark		-										
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)	Vertical Path Angle (°)	NAV Specification	Remark
Common	IF	BOGMU	N 53 58 45.00 E 010 17 19.66	N	-	-	-	FL110-A4000+	-	-	RNAV 1	-
Common	TF	DH621	N 53 56 11.44 E 010 12 07.77	N	(T230.2) 226	4.0	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH633	N 53 52 55.46 E 010 16 44.89	N	(T140.1) 136	4.3	-	-	-	-	RNAV 1	-
Common	TF	DH634	N 53 55 28.84 E 010 21 56.65	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH635	N 53 58 01.99 E 010 27 09.03	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH655	N 53 54 11.40 E 010 32 32.97	N	(T140.3) 136	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH656	N 53 51 38.47 E 010 27 20.74	N	(T230.4) 226	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH657	N 53 49 05.31 E 010 22 09.12	N	(T230.3) 226	4.0	-	A4000+	@220	-	RNAV 1	-

Designator		NOLGO 3P										
		NOLGO THREE PAPA										
Procedure Remark		-										
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)	Vertical Path Angle (°)	NAV Specification	Remark
Common	IF	NOLGO	N 53 23 48.71 E 010 08 18.03	N	-	-	-	FL110-A4000+	-	-	RNAV 1	-
Common	TF	DH609	N 53 35 00.95 E 010 06 52.63	N	(T355.7) 351	11.3	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH610	N 53 37 34.78 E 010 12 01.65	N	(T050.0) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH611	N 53 40 08.38 E 010 17 11.29	N	(T050.1) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH612	N 53 42 41.76 E 010 22 21.53	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH613	N 53 45 14.92 E 010 27 32.39	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH614	N 53 47 47.85 E 010 32 43.86	N	(T050.3) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH615	N 53 50 20.56 E 010 37 55.94	N	(T050.4) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH655	N 53 54 11.40 E 010 32 32.97	N	(T320.4) 316	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH656	N 53 51 38.47 E 010 27 20.74	N	(T230.4) 226	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH657	N 53 49 05.31 E 010 22 09.12	N	(T230.3) 226	4.0	-	A4000+	@220	-	RNAV 1	-

Designator		RARUP 3P										
		RARUP THREE PAPA										
Procedure Remark		-										
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)	Vertical Path Angle (°)	NAV Specification	Remark
Common	IF	RARUP	N 53 38 30.49 E 010 40 37.20	N	-	-	-	FL110-A4000+	-	-	RNAV 1	-
Common	TF	DH600	N 53 33 59.95 E 010 25 47.00	N	(T243.0) 239	9.9	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH611	N 53 40 08.38 E 010 17 11.29	N	(T320.3) 316	8.0	-	-	-	-	RNAV 1	-
Common	TF	DH612	N 53 42 41.76 E 010 22 21.53	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH613	N 53 45 14.92 E 010 27 32.39	N	(T050.2) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH614	N 53 47 47.85 E 010 32 43.86	N	(T050.3) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH615	N 53 50 20.56 E 010 37 55.94	N	(T050.4) 046	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH655	N 53 54 11.40 E 010 32 32.97	N	(T320.4) 316	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH656	N 53 51 38.47 E 010 27 20.74	N	(T230.4) 226	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH657	N 53 49 05.31 E 010 22 09.12	N	(T230.3) 226	4.0	-	A4000+	@220	-	RNAV 1	-