

HAMBURG
RNAV RWY 33

STANDARD INSTRUMENT ARRIVAL ROUTES
(STAR)

Designator		BOGMU 3S										
		BOGMU THREE SIERRA										
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	DH829	N 53 36 27.85 E 010 29 35.43	N	(T161.9) 158	23.5	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH830	N 53 31 51.14 E 010 14 18.52	N	(T243.2) 239	10.2	-	-	-	-	RNAV 1	-
Common	TF	DH831	N 53 28 17.78 E 010 17 20.57	N	(T153.0) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH832	N 53 24 44.07 E 010 20 22.35	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH833	N 53 21 10.27 E 010 23 23.64	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH834	N 53 17 36.40 E 010 26 24.44	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH835	N 53 14 02.44 E 010 29 24.74	N	(T153.2) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH854	N 53 11 47.21 E 010 21 59.44	N	(T243.2) 239	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH855	N 53 15 20.99 E 010 18 58.69	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH856	N 53 18 54.69 E 010 15 57.44	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH857	N 53 22 28.31 E 010 12 55.70	N	(T333.0) 329	4.0	-	A4000+	@220	-	RNAV 1	-

Designator		NOLGO 3S										
		NOLGO THREE SIERRA										
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	DH832	N 53 24 44.07 E 010 20 22.35	N	(T082.6) 078	7.3	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH833	N 53 21 10.27 E 010 23 23.64	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH834	N 53 17 36.40 E 010 26 24.44	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH835	N 53 14 02.44 E 010 29 24.74	N	(T153.2) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH854	N 53 11 47.21 E 010 21 59.44	N	(T243.2) 239	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH855	N 53 15 20.99 E 010 18 58.69	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH856	N 53 18 54.69 E 010 15 57.44	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH857	N 53 22 28.31 E 010 12 55.70	N	(T333.0) 329	4.0	-	A4000+	@220	-	RNAV 1	-

Designator		RARUP 3S										
		RARUP THREE SIERRA										
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	DH829	N 53 36 27.85 E 010 29 35.43	N	(T252.8) 249	6.9	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH830	N 53 31 51.14 E 010 14 18.52	N	(T243.2) 239	10.2	-	-	-	-	RNAV 1	-
Common	TF	DH831	N 53 28 17.78 E 010 17 20.57	N	(T153.0) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH832	N 53 24 44.07 E 010 20 22.35	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH833	N 53 21 10.27 E 010 23 23.64	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH834	N 53 17 36.40 E 010 26 24.44	N	(T153.1) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH835	N 53 14 02.44 E 010 29 24.74	N	(T153.2) 149	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH854	N 53 11 47.21 E 010 21 59.44	N	(T243.2) 239	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH855	N 53 15 20.99 E 010 18 58.69	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH856	N 53 18 54.69 E 010 15 57.44	N	(T333.1) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH857	N 53 22 28.31 E 010 12 55.70	N	(T333.0) 329	4.0	-	A4000+	@220	-	RNAV 1	-