

HAMBURG
RNAV RWY 15

STANDARD INSTRUMENT ARRIVAL ROUTES
(STAR)

Designator		RARUP 3D										
		RARUP THREE DELTA										
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	DH417	N 53 53 41.00 E 010 16 04.00	N	(T316.4) 312	21.1	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH412	N 53 53 10.51 E 009 55 54.79	N	(T267.7) 263	11.9	-	-	-	-	RNAV 1	-
Common	TF	DH413	N 53 56 43.54 E 009 52 48.97	N	(T332.8) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH414	N 54 00 16.48 E 009 49 42.63	N	(T332.7) 329	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH416	N 54 03 49.34 E 009 46 35.78	N	(T332.7) 328	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH455	N 54 01 31.57 E 009 39 04.13	N	(T242.7) 238	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH456	N 53 57 58.90 E 009 42 11.44	N	(T152.6) 148	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH457	N 53 54 26.25 E 009 45 18.13	N	(T152.6) 148	4.0	-	A4000+	@220	-	RNAV 1	-

Designator		RIBSO 3D										
		RIBSO THREE DELTA										
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	RIBSO	N 53 48 45.96 E 009 20 24.80	N	-	-	-	FL110-A4000+	-	-	RNAV 1	-
Common	TF	DH434	N 53 55 40.91 E 009 34 41.00	N	(T050.6) 046	10.9	-	A4000+	@220	-	RNAV 1	-
Common	TF	DH435	N 53 59 13.34 E 009 31 33.29	N	(T332.5) 328	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH455	N 54 01 31.57 E 009 39 04.13	N	(T062.5) 058	5.0	-	-	-	-	RNAV 1	-
Common	TF	DH456	N 53 57 58.90 E 009 42 11.44	N	(T152.6) 148	4.0	-	-	-	-	RNAV 1	-
Common	TF	DH457	N 53 54 26.25 E 009 45 18.13	N	(T152.6) 148	4.0	-	A4000+	@220	-	RNAV 1	-