

ENR 3.3 AREA NAVIGATION ROUTES

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
L17 (RNP/RNAV)						
△	MOLIX	524919N 0030407E				Eastbound route only. FIR Boundary. For continuation see AIP Netherlands. Intersection with L19 (See AIP Netherlands).
(RNAV 5)		-/111°	22.2 nm	FL 245 / FL 175		odd FL 230 / FL 190 FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	RAMID	525728N 0023000E				
(RNAV 5)		-/111°	15.8 nm	FL 245 / FL 175		odd FL 230 / FL 190 FL 245/FL 195 Class C, FL 195/FL 175 Class A. London Control (Swanwick) Freq: 128.125 (All Levels).
△	BODSO	530308N 0020541E				Extremity of L17.
Route Remarks:						
• See also ENR 1.1, paragraph 1.1.3.						

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
L46 (RNP/RNAV)							
△	NALAX	532900N 0002406E					Westbound route only. Extremity of L46.
(RNAV 5)		283°/-	11.3 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	LIBSO	533129N 0000536E					
(RNAV 5)		286°/-	36.1 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	MITSO	533907N 0005338W					
(RNAV 5)		283°/-	19.6 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Between MITSO and 10 nm before RIMTO: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285). Between 10 nm before RIMTO and RIMTO: London Control (Swanwick)

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
						Freq: 132.860 (FL 335 and above); Freq: 133.705 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	RIMTO	534303N 0012559W				Intersection with UY250.
(RNAV 5)	283°/-	5.4 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 133.705 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	HALIF	534406N 0013450W				
(RNAV 5)	282°/-	69.1 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 133.705 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	GETNO	535548N 0032947W				
(RNAV 5)	281°/-	11.8 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 125.680 (All Levels).
△	REMSI	535737N 0034932W				DRA Entry Fix. Extremity of L46.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
L74 (RNP/RNAV)							
△	TOPPA	532409N 0033341E				Eastbound (southbound) route only. FIR Boundary. For continuation see AIP Netherlands.	
(RNAV 5)		-/172°	12.2 nm	FL 245 / FL 175		odd FL 230 / FL 190	FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	LARDI	533616N 0033057E					
(RNAV 5)		-/186°	34.6 nm	FL 245 / FL 195		odd FL 230 / FL 210	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	SOTUN	541036N 0033737E					
(RNAV 5)		-/186°	7.8 nm	FL 245 / FL 195		odd FL 230 / FL 210	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
△	VENAS	541820N 0033908E					
(RNAV 5)		-159°	6.8 nm	FL 245 / FL 195		odd FL 230 / FL 210	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GOLVO	542441N 0033508E					Extremity of L74.
Route Remarks:							
- See also ENR 1.1, paragraph 1.1.3. - Due to ATC operational requirements, the cruising level allocation between VENAS and LARDI is inappropriate to the MAG Track.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
UL74 (RNP/RNAV)							
△	TOPPA	532409N 0033341E				Eastbound (southbound) route only. UIR Boundary. For continuation see AIP Netherlands.	
(RNAV 5)		-172°	12.2 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	LARDI	533616N 0033057E					
(RNAV 5)		-186°	34.6 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	SOTUN	541036N 0033737E					
(RNAV 5)		-186°	7.8 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	VENAS	541820N 0033908E					Intersection with UL7.
(RNAV 5)		-159°	6.8 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GOLVO	542441N 0033508E					
(RNAV 5)		-159°	15.5 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	PELET	543912N 0032552E					Extremity of UL74.
Route Remarks:							
- Dual designation with UL7 btn PELET and VENAS. - Due to ATC operational requirements, the cruising level allocation between VENAS and LARDI is inappropriate to the MAG Track.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
L90 (RNP/RNAV)							
△	DOLAS	525843N 0010003E				Extremity of L90. Intersection with UL603.	
(RNAV 5)		316°/136°	21.1 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	SUPEL	531340N 0003528E					
(RNAV 5)		316°/138°	25.3 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	LIBSO	533129N 0000536E					
(RNAV 5)		329°/147°	12.6 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	OTTRINGHAM VOR/DME (OTR)	534153.57N 0000613.45W					Extremity of L90. Intersection with UL602.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
					↓	↑	
L602 (RNP/RNAV)							
△	MIMVA	530603N 0031813E					Westbound route only btn MIMVA and EMLON. FIR Boundary. For continuation see AIP Netherlands.
(RNAV 5)		282°/-	7.2 nm	FL 245 / FL 175	even FL 240 / FL 180		FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	TOLSA	530737N 0030629E					
(RNAV 5)		282°/-	12.4 nm	FL 245 / FL 175	even FL 240 / FL 180		FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	OKAMA	531015N 0024622E					
(RNAV 5)		282°/-	10.1 nm	FL 245 / FL 175	even FL 240 / FL 180		FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	EMLON	531220N 0023000E					Extremity of partition of L602.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
				- / -			ROUTE BREAK - THIS AIRWAY IS NOT CONTINUOUS.
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W					DRA Entry and Exit Fix. Extremity of partition of L602. Intersection with L983, UL602 and (U)L612.
(RNAV 5)		299°/118°	13.0 nm	FL 255 / 5500 ft ALT	even FL 240 / FL 80	odd FL 250 / FL 70	FL 255/FL 195 Class C, FL 195/Alt 5500 ft Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	CLYDE	555748N 0044732W					
(RNAV 5)		298°/118°	12.0 nm	FL 255 / 5500 ft ALT	even FL 240 / FL 60	odd FL 250 / FL 70	FL 255/FL 195 Class C, FL 195/Alt 5500 ft Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	FYNER	560256N 0050655W					
(RNAV 5)		298°/118°	26.8 nm	FL 255 / 5500 ft ALT	even FL 240 / FL 60	odd FL 250 / FL 70	FL 255/FL 195 Class C, FL 195/Alt 5500 ft Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	BRUCE	561411N 0055028W					DRA Arrival and Departure Transition Fix. Intersection with Y958.
(RNAV 5)		298°/118°	37.8 nm	FL 255 / FL 115	even FL 240 / FL 120	odd FL 250 / FL 130	FL 255/FL 195 Class C, FL 195/FL 115 Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	TIREE VOR/DME (TIR)	562935.56N 0065232.12W					Extremity of L602.
Route Remarks:							
- The portion of L602 between GOW and TIR is for use by traffic climbing to or descending from the Shanwick OCA Boundary and the NOTA and below FL 195 is Class E and TMZ and extends 5 nm either side of the centre-line. However, within the confines of the Scottish TMA, L602 assumes the airspace classification of the Scottish TMA. Note: Transponder carriage and operation required within that part of L602 notified as Class E and TMZ. - See also ENR 1.1, paragraph 1.1.3.							



ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
UL602 (RNP/RNAV)							
△	MIMVA	530603N 0031813E					Westbound route only btn MIMVA and OTR. UIR Boundary. For continuation see AIP Netherlands.
(RNAV 5)		282°/-	7.2 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	TOLSA	530737N 0030629E					
(RNAV 5)		282°/-	12.4 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	OKAMA	531015N 0024622E					
(RNAV 5)		282°/-	10.1 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	EMLON	531220N 0023000E					Intersection with M79.
(RNAV 5)		282°/-	36.3 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	LEGRO	531935N 0013046E					
(RNAV 5)		284°/-	41 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Between LEGRO and 0010000E: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335). Between 0010000E and NALAX: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	NALAX	532900N 0002406E					Intersection with L46.
(RNAV 5)		306°/-	22.2 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	OTTRINGHAM VOR/DME (OTR)	534153.57N 0000613.45W					Intersection with L90.
(RNAV 5)		327°/146°	24.1 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	UMBEL	540144N 0002907W					

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
(RNAV 5)	326°/146°	34.0 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 133.800 (Below FL 255).
△	RIKUD	542940N 0010208W				
(RNAV 5)	326°/146°	40.0 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	NATEB	550218N 0014154W				Intersection with N97, P15, UN610 and UP18.
(RNAV 5)	298°/118°	63.2 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between NATEB and 0020000W: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255). Between 0020000W and TLA: Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	TALLA VOR/DME (TLA)	552956.92N 0032110.20W				Intersection with UN552.
(RNAV 5)	304°/123°	43.3 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 126.300 (Below FL 255).
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W				DRA Entry and Exit Fix. Extremity of UL602. Intersection with L602 and UL612.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
L983 (RNP/RNAV)							
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W				DRA Entry and Exit Fix. Extremity of L983.	
(RNAV 5)		090°/271°	75.7 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	SAINT ABBS VOR/DME (SAB)	555427.04N 0021222.81W				Intersection with UM89 and UN562.	
(RNAV 5)		090°/271°	16.0 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	MADAD	555447N 0014402W				Intersection with UP58.	

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
		↓	↑				
(RNAV 5)		091°/271°	40.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	GOMOT	555510N 0003239W					Intersection with UP59.
(RNAV 5)		091°/272°	98.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	CUTEL	555309N 0022228E					Intersection with P5, P15, T55, UL619 and UP16.
(RNAV 5)		087°/267°	38.1 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	SURAT	555456N 0033000E					Intersection with UM869.
(RNAV 5)		087°/268°	50.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	PETIL	555620N 0050000E					UIR Boundary. For continuation see AIP Denmark.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
L989 (RNP/RNAV)							
△	BODSO	530308N 0020541E					Westbound route only. Extremity of L989. Intersection with Y70.
(RNAV 5)		-/257°	15.1 nm	FL 245 / FL 175		even FL 240 / FL 180	FL 245/FL 195 Class C, FL 195/FL 175 Class A. London Control (Swanwick) Freq: 128.125 (All Levels).
△	SOPEK	530632N 0023000E					Extremity of L989.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
M16 (RNP/RNAV)						
△	DOLAS	525843N 0010003E				Eastbound route only. Extremity of M16. Intersection with UL603.
(RNAV 5)		-/102°	68.7 nm	FL 460 / FL 285	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	NAPEX	531223N 0005140W				
(RNAV 5)		-/101°	28.2 nm	FL 460 / FL 285	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 133.705 (Below FL 335).
△	XAPOS	531729N 0013751W				
(RNAV 5)		-/101°	23.1 nm	FL 460 / FL 285	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 133.705 (Below FL 335).
△	MANCHESTER VOR/DME (MCT)	532125.29N 0021544.24W				
(RNAV 5)		-/095°	31.4 nm	FL 460 / FL 285	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W				Extremity of M16.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
M79 (RNP/RNAV)							
△	EMLON	531220N 0023000E					Westbound route only. Extremity of M79.
(RNAV 5)		302°/-	77.8 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	ROVNI	535313N 0003901E					
(RNAV 5)		301°/-	16.7 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
△	TENDO	540144N 0001447E					
(RNAV 5)		313°/-	91.1 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	NATEB	550218N 0014154W					Extremity of M79. Intersection with UL602, UN610 and UP18.
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
		↓	↑				
M83 (RNP/RNAV)							
△	PETIL	555620N 0050000E				UIR Boundary. Extremity of M83. Intersection with L983 (see AIP Denmark).	
(RNAV 5)		285°/105°	52.4 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Copenhagen ACC.
△	REKNA	561029N 0033000E					
(RNAV 5)		280°/098°	92.1 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	RIVOT	562429N 0004637E				Intersection with UL619.	
(RNAV 5)		290°/108°	195.5 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between RIVOT and 0020000W: Scottish Control (Prestwick) Freq: 134.775 (All Levels). Between 0020000W and RUGID: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	RUGID	572209N 0045355W				DRA Entry and Exit Fix. Extremity of M83.	
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
M91 (RNP/RNAV)						
△	IRKUN	505516N 0012800E				Westbound route only btn IRKUN and LYD. FIR Boundary. Extremity of M91.
(RNAV 5)		282°/-	22.8 nm	FL 245 / FL 75	even FL 240 / FL 80	FL 245/FL 195 Class C, FL 195/FL 75 Class A. London Control (Swanwick) Freq: 134.900 (FL 195 and above); Freq: 135.325 (Below FL 195).
△	LYDD VOR/DME (LYD)	505958.87N 0005243.18E				Eastbound route only btn EKNIV and LYD.
(RNAV 5)		-157°	16.2 nm	FL 245 / FL 85	odd FL 230 / FL 90	FL 245/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq 134.900 (FL 195 and above); Freq: 120.525 (Below FL 195).
△	EMKAD	511450N 0004234E				
(RNAV 5)		-162°	10.1 nm	FL 245 / FL 85	odd FL 230 / FL 90	FL 245/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq 134.900 (FL 195 and above); Freq: 120.525 (Below FL 195).
△	EKNIV	512426N 0003731E				Extremity of M91.
Route Remarks:						
• See also ENR 1.1, paragraph 1.1.3.						

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
M604 (RNP/RNAV)						
△	ARTOV	515419N 0012533E				Eastbound route only. Extremity of M604.
(RNAV 5)		033°/-	14.2 nm	FL 460 / FL 105	odd FL 450 / FL 110	FL 460/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	OTBAP	520612N 0013800E				
(RNAV 5)		033°/-	16.1 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	ABEDA	521940N 0015216E				

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
(RNAV 5)	033°/-	15.5 nm	FL 460 / FL 195	odd FL 450 / FL 210		Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	LEDBO	523235N 0020608E				
(RNAV 5)	040°/-	20.5 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	ENITO	524805N 0022803E				
(RNAV 5)	026°/-	12.4 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	BEKMO	525910N 0023710E				
(RNAV 5)	026°/-	12.4 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	OKAMA	531015N 0024622E				
(RNAV 5)	026°/-	7.8 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	GIVPO	531710N 0025209E				
(RNAV 5)	026°/-	25.4 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ROKAN	533948N 0031120E				
(RNAV 5)	022°/-	41.9 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	VENAS	541820N 0033908E				
(RNAV 5)	027°/-	37.8 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	LARGA	545150N 0040912E				Intersection with P144 and Z278.
(RNAV 5)	032°/-	31.6 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. ATS delegated to Copenhagen ACC.
△	INPUT	551818N 0043905E				
(RNAV 5)	032°/-	21.7 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. ATS delegated to Copenhagen ACC.
△	INBOB	553625N 0050000E				UIR Boundary. For continuation see AIP Denmark.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
M981 (RNP/RNAV)							
△	GODOS	531457N 0032547E					Westbound route only. FIR Boundary. Extremity of M981.
(RNAV 5)		302°/-	18.3 nm	FL 245 / FL 175	even FL 240 / FL 180		FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	ROXAT	532449N 0030000E					Extremity of M981.
Route Remarks:							
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. - See also ENR 1.1, paragraph 1.1.3.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
UM981 (RNP/RNAV)							
△	GODOS	531457N 0032547E					Westbound route only. UIR Boundary. Extremity of UM981.
(RNAV 5)		302°/-	18.3 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ROXAT	532449N 0030000E					
(RNAV 5)		302°/-	192.1 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Between ROXAT and 543000N: Scottish Control (Prestwick) Freq: 121.325 (All Levels). Between 543000N and NATEB: Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	NATEB	550218N 0014154W					Extremity of UM981. Intersection with UL602.
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
		↓	↑				
M982 (RNP/RNAV)							
△	TOPPA	532409N 0033341E				Eastbound route only. FIR Boundary. Extremity of M982. Intersection with L74 (see AIP Netherlands).	
(RNAV 5)		-/139°	20.6 nm	FL 245 / FL 175		odd FL 230 / FL 190	FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	ROKAN	533948N 0031120E				Extremity of M982.	
Route Remarks:							
• CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. • See also ENR 1.1, paragraph 1.1.3.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
		↓	↑				
UM982 (RNP/RNAV)							
△	TOPPA	532409N 0033341E				Eastbound route only btn ROKAN and TOPPA. UIR Boundary. Extremity of UM982. Intersection with UL74 (see AIP Netherlands).	
(RNAV 5)		-/139°	20.6 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ROKAN	533948N 0031120E					
(RNAV 5)		308°/126°	164.2 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ERLOT	551714N 0003506W					
(RNAV 5)		306°/126°	18.1 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ROBEM	552733N 0010114W					
(RNAV 5)		306°/125°	26.2 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	RITSI	554209N 0013925W				Intersection with UP18.	
(RNAV 5)		305°/125°	22.3 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
△	SAINT ABBS VOR/DME (SAB)	555427.04N 0021222.81W					
(RNAV 5)		306°/125°	50.5 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	FINDO	562209N 0032749W					Extremity of UM982. Intersection with UL613 and UN610.
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
N96 (RNP/RNAV)							
△	ROKAN	533948N 0031120E					Extremity of N96. Intersection with UM982.
(RNAV 5)		313°/131°	231.9 nm	FL 460 / FL 245	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between ROKAN and abm ERL0T: Scottish Control (Prestwick) Freq: 121.325 (All Levels). Between abm ERL0T and NEXUS: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	NEXUS	561243N 0015041W					Extremity of N96. Intersection with UP18 and UP59.
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
					↓	↑	
N97 (RNP/RNAV)							
△	ROKAN	533948N 0031120E					Eastbound route only. Extremity of N97. Intersection with UM982.
(RNAV 5)		-/116°	76.3 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Between ROKAN and abm UMBEL: Scottish Control (Prestwick) Freq: 121.325 (All Levels). Between abm UMBEL and NEPSO: Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	NEPSO	541417N 0011611E					
(RNAV 5)		-/115°	114.1 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	NATEB	550218N 0014154W					Extremity of N97. Intersection with UL602.
Route Remarks:							
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
N552 (RNP/RNAV)							
△	RUBEX	551912N 0065607W					FIR Boundary. Extremity of N552.
(RNAV 5)		085°/265°	44.5 nm	FL 255 / FL 195	odd FL 250 / FL 210	even FL 240 / FL 200	Class C. Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W					DRA Arrival and Departure Transition Fix. Extremity of N552. Intersection with N562.
Route Remarks:							
- For use by t/c climbing to or descending from the NOTA. - See also ENR 1.1, paragraph 1.1.3.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
N562 (RNP/RNAV)							
△	TURNBERRY VOR/DME (TRN)	551848.28N 0044701.89W					Extremity of N562.
(RNAV 5)		287°/106°	7.6 nm	FL 255 / FL 105	even FL 240 / FL 120	odd FL 250 / FL 110	FL 255/FL 195 Class C, FL 195/FL 105 Class E and TMZ. (See Note) Within the confines of the Scottish TMA, N562 assumes the airspace classification of the Scottish TMA. Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	HERON	552035N 0050000W					
(RNAV 5)		286°/106°	22.9 nm	FL 255 / FL 105	even FL 240 / FL 120	odd FL 250 / FL 110	FL 255/FL 195 Class C, FL 195/FL 105 Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W					DRA Arrival and Departure Transition Fix. Intersection with N552.
(RNAV 5)		288°/107°	71.8 nm	FL 255 / FL 195	even FL 240 / FL 200	odd FL 250 / FL 210	Class C. Scottish Control (Prestwick) Freq: 127.275 (All Levels).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
△	DONIB	554309N 0074144W					
(RNAV 5)		287°/106°	79.7 nm	FL 255 / FL 195	even FL 240 / FL 200	odd FL 250 / FL 210	Class C. Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	MIMKU	560000N 0100000W					FIR Boundary. Extremity of N562.
Route Remarks:							
- The portion of N562 between HERON and MAC below FL 195 is Class E and TMZ and extends 5 nm either side of the centre-line. - For use by t/c climbing to or descending from the Shanwick OCA Boundary and the NOTA. - See also ENR 1.1, paragraph 1.1.3. Note: Transponder carriage and operation required within that part of N562 notified as Class E and TMZ.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
		↓	↑				
N866 (RNP/RNAV)							
△	LORKU	495618N 0022216W				Westbound route only btn IPRIL and LORKU. FIR/UIR Boundary. Continues as UN866 (see AIP France).	
(RNAV 5)		-/186°	20.5 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	RUBMI	501646N 0021943W					
(RNAV 5)		-/199°	14.2 nm	FL 460 / FL 245		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	ROKSI	503013N 0021251W					
(RNAV 5)		-/199°	10.9 nm	FL 460 / FL 165		odd FL 450 / FL 170	FL 460/FL 195 Class C, FL 195/FL 165 Class A. London Control (Swanwick) Freq: 129.425 (All Levels).
△	BILNI	504031N 0020733W					
(RNAV 5)		-/242°	34.1 nm	FL 460 / FL 155		odd FL 450 / FL 170	FL 460/FL 195 Class C, FL 195/FL 155 Class A. London Control (Swanwick) Freq: 129.425 (All Levels).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W				Intersection with (U)L620.	
(RNAV 5)		-/225°	21.0 nm	FL 460 / FL 75		odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 75 Class A. London Control (Swanwick) Freq: 129.425 (FL 155 and above); Freq: 134.125 (Below FL 155).
△	GASGU	511224N 0005736W					

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
(RNAV 5)	-/225°	39.4 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. Between IPRIL and abm LON VOR: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305). Between abm LON VOR and GASGU: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	IPRIL	514029N 0001335W				
(RNAV 5)	045°/225°	6.3 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	BROOKMANS PARK VOR/DME (BPK)	514459.05N 0000624.25W				
(RNAV 5)	059°/240°	32.1 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Dual designation with UM185 btn BPK and DIGSU. Between BPK and 15 nm before DIGSU: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305). Between 15 nm before DIGSU and DIGSU: London Control (Swanwick) Freq: 133.940 (All Levels).
△	DIGSU	520126N 0003805E				Intersection with P5 and P144.
(RNAV 5)	060°/240°	37.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	BANEM	522008N 0013019E				
(RNAV 5)	060°/240°	25.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	LEDBO	523235N 0020608E				Westbound route only btn UPGAS and LEDBO.
(RNAV 5)	-/243°	28.6 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	BUKUT	524530N 0024802E				Intersection with P7.
(RNAV 5)	-/206°	12.4 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	KUBAX	525634N 0025713E				
(RNAV 5)	-/206°	12.4 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	TOLSA	530737N 0030629E				

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
(RNAV 5)		-/206°	7.5 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	AKOKO	531416N 0031207E					
(RNAV 5)		-/207°	11.1 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	BINBO	532406N 0032029E					
(RNAV 5)		-/207°	13.7 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	LARDI	533616N 0033057E					
(RNAV 5)		-/207°	67.4 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	TIPAN	543554N 0042356E					
(RNAV 5)		-/207°	44.1 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	UPGAS	551441N 0050000E					UIR Boundary. For continuation see AIP Denmark.
Route Remarks:							
- CDR Category One and Three (CDR 1 and 3) between SAM and LORKU (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. - There may also be circumstances when London Control (Swanwick) is given a minimum of only 2 hours notice of Danger Area activity. In this instance, non-availability of N866 will be notified to GAT by 'London Control' and traffic will be routed to LELNA and UN621. - Due to Brest ACC operational requirements, the cruising level allocation is inappropriate to the MAG Track between GASGU and LORKU.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
P1 (RNP/RNAV)						
△	GODOS	531457N 0032547E				Westbound route only. FIR Boundary. Intersection with M981. For continuation see AIP Netherlands.
(RNAV 5)		340°/-	9.7 nm	FL 245 / FL 175	even FL 240 / FL 180	FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	BINBO	532406N 0032029E				
(RNAV 5)		340°/-	16.6 nm	FL 245 / FL 175	even FL 240 / FL 180	FL 245/FL 195 Class C, FL 195/FL 175 Class A. ATS delegated to Amsterdam ACC.
△	ROKAN	533948N 0031120E				
(RNAV 5)		006°/-	22.6 nm	FL 245 / FL 195	even FL 240 / FL 200	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	TINDI	540214N 0031529E				Extremity of P1.
Route Remarks:						
- See also ENR 1.1, paragraph 1.1.3. - Due to ATC operational requirements, the cruising level allocation between ROKAN and TINDI is inappropriate to the MAG Track.						

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
UP1 (RNP/RNAV)							
△	GODOS	531457N 0032547E				Westbound route only. UIR Boundary. Intersection with UM981. For continuation see AIP Netherlands.	
(RNAV 5)		340°/-	9.7 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).	
△	BINBO	532406N 0032029E					
(RNAV 5)		340°/-	16.6 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).	
△	ROKAN	533948N 0031120E				Intersection with N96 and UM982.	
(RNAV 5)		006°/-	22.6 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).	
△	TINDI	540214N 0031529E					

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
(RNAV 5)	006°/-	16.2 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ROLUM	541820N 0031831E				Intersection with P13 and UM90.
(RNAV 5)	345°/-	18.8 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GIGUL	543626N 0031010E				
(RNAV 5)	320°/-	15 nm	FL 460 / FL 245	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	RODSI	544756N 0025335E				Extremity of UP1. Intersection with UP58.
Route Remarks:						
• Due to ATC operational requirements, the cruising level allocation between ROKAN and ROLUM is inappropriate to the MAG Track.						

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
P5 (RNP/RNAV)						
△	DIGSU	520126N 0003805E				Extremity of P5. Intersection with N866 and UM185.
(RNAV 5)		016°/196°	20.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260 Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	UMBAG	522052N 0004657E				
(RNAV 5)		014°/195°	63.4 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260 Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	ELNAB	532211N 0011251E				
(RNAV 5)		015°/196°	156.5 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260 Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	CUTEL	555309N 0022228E				Intersection with L983, P15, T55, UL7 and UP16.
(RNAV 5)		029°/210°	60.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260 Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	GIBSU	564547N 0031610E				
(RNAV 5)		030°/210°	18.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260 Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
						↓	↑
△	LAMRO	570151N 0033309E					
(RNAV 5)		030°/210°	37.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	NIVUN	573412N 0040813E					UIR Boundary. For continuation see AIP Norway. Intersection with M82, P609 and Z321 (see AIP Norway).
Route Remarks:							
CDR Category One (CDR 1) between DIGSU and CUTEL (ENR 1.1, paragraph 1.1.7 refers). CDR 1 1800 Fri to 0600 Mon Winter (Summer 1 hr earlier) or 2300 the day before or 0600 the day following a Public Holiday (Summer 1 hr earlier).							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
					↓	↑	
P7 (RNP/RNAV)							
△	LOGAN	514451N 0013643E				Westbound route only. Extremity of P7. Intersection with (U)L980.	
(RNAV 5)		-/228°	13.6 nm	FL 460 / FL 85		even FL 430 / FL 100	FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 128.160 (FL 245 and above); Freq: 118.480 (Below FL 245 to FL 215); Freq: 135.425 (Below FL 215).
△	IDESI	515352N 0015308E					
(RNAV 5)		-/229°	18.9 nm	FL 460 / FL 85		even FL 430 / FL 100	FL 460/FL 195 Class C, FL 195/FL 85 Class A. Between 5 nm before IDESI and IDESI: London Control (Swanwick) Freq: 128.160 (FL 245 and above); Freq: 118.480 (Below FL 245 to FL 215); Freq: 135.425 (Below FL 215). Between SONOG and 5 nm before IDESI: London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 135.425 (Below FL 215).
△	SONOG	520620N 0021610E				Intersection with (U)Y4.	
(RNAV 5)		-/206°	25.0 nm	FL 460 / FL 215		even FL 430 / FL 220	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	BARMI	522842N 0023414E				Intersection with P25.	
(RNAV 5)		-/206°	18.8 nm	FL 460 / FL 245		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	BUKUT	524530N 0024802E				Extremity of P7.	

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
P13 (RNP/RNAV)						
△	ROLUM	541820N 0031831E				Westbound route only. Extremity of P13.
(RNAV 5)		356°/-	39.6 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ASKAM	545747N 0031350E				Extremity of P13. Intersection with UL7 and UP59.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
P15 (RNP/RNAV)							
△	NATEB	550218N 0014154W					Eastbound route only btn NATEB and CUTEL. Extremity of P15.
(RNAV 5)		070°/-	24 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	DIGBI	551106N 0010301W					
(RNAV 5)		070°/-	17.1 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ERLOT	551714N 0003506W					
(RNAV 5)		070°/-	30.4 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	GIVEM	552754N 0001453E					
(RNAV 5)		071°/-	21.5 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	NAVEL	553513N 0005031E					
(RNAV 5)		071°/-	55.0 nm	FL 460 / FL 245	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	CUTEL	555309N 0022228E					Intersection with L983, P5, T55, UL619 and UP16.
(RNAV 5)		065°/245°	41.7 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
△	REKNA	561029N 0033000E					
(RNAV 5)		065°/246°	54.6 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	VAXIT	563215N 0050000E					UIR Boundary. For continuation see AIP Denmark. Intersection with N581 and Z716 (See AIP Denmark).

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
P25 (RNP/RNAV)							
△	LAPRA	520707N 0011236E					Westbound route only. Extremity of P25.
(RNAV 5)		-/246°	15.8 nm	FL 460 / FL 105		even FL 430 / FL 120	FL 460/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	MIPVO	521329N 0013609E					
(RNAV 5)		-/247°	8.9 nm	FL 460 / FL 165		even FL 430 / FL 180	FL 460/FL 195 Class C, FL 195/FL 165 Class A. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	DITOB	521701N 0014927E					
(RNAV 5)		-/247°	10 nm	FL 460 / FL 195		even FL 430 / FL 200	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	MEGEL	522058N 0020425E					
(RNAV 5)		-/247°	19.8 nm	FL 460 / FL 195		even FL 430 / FL 200	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	BARMI	522842N 0023414E					Extremity of P25.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
P144 (RNP/RNAV)							
△	DIGSU	520126N 0003805E				Eastbound route only. Extremity of P144. Intersection with M85 and N866.	
(RNAV 5)		035°/-	91.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).	
△	LATMU	531525N 0020522E					
(RNAV 5)		036°/-	121.0 nm	FL 460 / FL 245	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).	
△	LARGA	545150N 0040912E				Intersection with M604 and Z278.	
(RNAV 5)		047°/-	39.5 nm	FL 460 / FL 245	odd FL 450 / FL 250	Class C. ATS delegated to Copenhagen ATC.	
△	SOPTO	551820N 0050000E				UIR Boundary. For continuation see AIP Denmark.	
Route Remarks:							
CDR Category One (CDR 1) between DIGSU and LARGA (ENR 1.1, paragraph 1.1.7 refers). CDR 1 1800 Fri to 0600 Mon Winter (Summer 1 hr earlier) or 2300 the day before or 0600 the day following a Public Holiday (Summer 1 hr earlier).							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
				IFR cruising levels max/min		
				↓	↑	
P155 (RNP/RNAV)						
△	SOMVA	521826N 0023838E				Eastbound route only. FIR Boundary. Continues as UP155 (see AIP Netherlands).
(RNAV 5)		-/092°	28.5 nm	FL 460 / FL 245	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	ABEDA	521940N 0015216E				Intersection with M604.
(RNAV 5)		-/092°	13.5 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	BANEM	522008N 0013019E				
(RNAV 5)		-/092°	26.6 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 121.225 (Below FL 215).
△	UMBAG	522052N 0004657E				Intersection with (U)P137.
(RNAV 5)		-/091°	27.7 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 133.940 (FL 215 and above); Freq: 124.930 (Below FL 215).
△	SIVDA	522122N 0000147E				
(RNAV 5)		-/091°	9.7 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295 to FL 215); Freq: 130.925 (Below FL 215).
△	BANTO	522128N 0001357W				
(RNAV 5)		-/091°	17.0 nm	FL 460 / FL 195	odd FL 450 / FL 210	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295 to FL 215); Freq: 130.925 (Below FL 215).
△	EBOTO	522133N 0004140W				
(RNAV 5)		-/091°	25.7 nm	FL 460 / FL 105	odd FL 450 / FL 110	FL 450/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295 to FL 215); Freq: 130.925 (Below FL 215).
△	UNGAP	522129N 0012339W				
(RNAV 5)		-/091°	9.9 nm	FL 460 / FL 105	odd FL 450 / FL 110	FL 450/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295 to FL 215); Freq: 130.925 (Below FL 215).
△	HONILEY VOR/DME (HON)	522124.04N 0013949.41W				Extremity of P155.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
P166 (RNP/RNAV)						
△	OLNEY	520740N 0004403W				Eastbound route only. Extremity of P166.
(RNAV 5)		054°/-	23.1 nm	FL 245 / FL 165	odd FL 230 / FL 170	FL 245/FL 195 Class C, FL 195/FL 165 Class A. London Control (Swanwick) Freq: 127.105 (FL 215 and above); Freq: 121.025 (Below FL 215).
△	BANTO	522128N 0001357W				Extremity of P166. Intersection with P155.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks	
				↓	↑		
Q60 (RNP/RNAV)							
△	OKTAD	514904N 0023246W				Westbound route only. Extremity of Q60.	
(RNAV 5)		290°/-	27.3 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).	
△	TALGA	515730N 0031444W					
(RNAV 5)		306°/-	50.4 nm	FL 460 / FL 245	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).	
△	LANON	522552N 0042221W				Extremity of Q60. Intersection with UL18.	
Route Remarks:							
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). (i) FL 305 and above: CDR 1 H24; (ii) Below FL 305: CDR 1 Mon-Thu 1800-0900 Winter (Summer 1 hr earlier) and from 1700 (Winter and Summer) on Friday, or the day preceding a PH, to 0900 (Winter), 0800 (Summer) on Monday, or the day following a PH. CDR 3 at all other times.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
Q63 (RNP/RNAV)						
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W				Westbound route only. Extremity of Q63.
(RNAV 5)		314°/-	17.4 nm	FL 460 / FL 155	even FL 430 / FL 160	FL 460/FL 195 Class C, FL 195/FL 155 Class A. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	LANPI	521115N 0052330W				Intersection with UN14.
(RNAV 5)		352°/-	22.4 nm	FL 460 / FL 155	even FL 430 / FL 160	FL 460/FL 195 Class C, FL 195/FL 155 Class A. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	VATRY	523316N 0053000W				FIR Boundary. Extremity of Q63. Intersection with M17 (see AIP Ireland).
Route Remarks:						
CDR Category One and Three (CDR 1 and 3) between STU and VATRY (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D201A/F/G activity. CDR 1 and 3 H24.						

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)	Route Usage Notes				
Significant Point Name	Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
				↓ ↑	
- Pilots who depart Q63 within the confines of EG D201F/G are encouraged to seek a DACS from Aberporth or Swanwick Mil, as detailed at ENR 5.1. - See also ENR 1.1, paragraph 1.1.3.					

Route Designator/ (RNP/RNAV Type)	Route Usage Notes				
Significant Point Name	Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
				↓ ↑	
Q70 (RNP/RNAV)					
△ VABIK	511447N 0020000E		Eastbound route only. FIR Boundary. For continuation see AIP Belgium.		
(RNAV 5)	-/094°	19.4 nm	FL 245 / FL 105	odd FL 230 / FL 110	FL 245/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 134.900 (FL 135 and above); Freq: 135.325 (Below FL 135).
△ MOKBU	511610N 0012914E				
(RNAV 5)	-/094°	16.4 nm	FL 245 / FL 105	odd FL 230 / FL 110	FL 245/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 134.900 (FL 195 and above); Freq: 120.525 (Below FL 195).
△ ITVIP	511714N 0010312E				
(RNAV 5)	-/093°	17.2 nm	FL 245 / FL 105	odd FL 230 / FL 110	FL 245/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 134.900 (FL 195 and above); Freq: 120.525 (Below FL 195).
△ DETLING VOR/DME (DET)	511814.41N 0003550.19E				
(RNAV 5)	-/095°	21.2 nm	FL 245 / FL 105	odd FL 230 / FL 110	FL 245/FL 195 Class C, FL 195/FL 105 Class A. London Control (Swanwick) Freq: 132.165 (FL 215 and above); Freq: 120.525 (Below FL 215).
△ BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E				
(RNAV 5)	-/113°	38.8 nm	FL 245 / FL 155	odd FL 230 / FL 170	FL 245/FL 195 Class C, FL 195/FL 155 Class A. London Control (Swanwick) Freq: 132.165 (FL 215 and above); Freq: 119.775 (Below FL 215).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
△	BENSU	513444N 0005508W					Intersection with M605.
(RNAV 5)		-113°	5.9 nm	FL 245 / FL 155		odd FL 230 / FL 170	FL 245/FL 195 Class C, FL 195/FL 155 Class A. London Control (Swanwick) Freq: 132.165 (FL 215 and above); Freq: 119.775 (Below FL 215).
△	COWLY	513658N 0010354W					Extremity of Q70.
Route Remarks:							
• See also ENR 1.1, paragraph 1.1.3.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min ↓ ↑	Controlling Unit/ Airspace Class/ Remarks
Q295 (RNP/RNAV)						
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W				Extremity of Q295.
(RNAV 5)		070°/251°	44.4 nm	FL 460 / FL 245	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	BROOKMANS PARK VOR/DME (BPK)	514459.05N 0000624.25W				Eastbound route only btn BPK and CLN.
(RNAV 5)		083°/-	11.4 nm	FL 460 / FL 85	odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. Between BPK and 5 nm before TOTRI: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 215); Freq: 127.950 (Below FL 215 to FL 155); Freq: 129.275 (Below FL 155 to FL 115); Freq: 118.825 (Below FL 115). Between 5 nm before TOTRI and TOTRI: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 245); Freq: 124.425 (Below FL 245 to FL 155); Freq: 118.825 (Below FL 155).
△	TOTRI	514630N 0001148E				
(RNAV 5)		083°/-	2.0 nm	FL 460 / FL 85	odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 245); Freq: 124.425 (Below FL 245 to FL 155); Freq: 118.825 (Below FL 155).
△	MATCH	514645N 0001500E				
(RNAV 5)		083°/-	15.1 nm	FL 460 / FL 85	odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
					↓	↑	
							Between MATCH and 10 nm before BRAIN: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 245); Freq: 124.425 (Below FL 245 to FL 155); Freq: 118.825 (Below FL 155). Between 10 nm before BRAIN and BRAIN: London Control (Swanwick) Freq: 133.940 (FL 245 and above); Freq: 124.425 (Below FL 245 to FL 155); Freq: 118.825 (Below FL 155).
△	BRAIN	514840N 0003906E					
(RNAV 5)		083°/-	5.3 nm	FL 460 / FL 85	odd FL 450 / FL 90		FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 133.940 (FL 245 and above); Freq: 124.425 (Below FL 245 to FL 155); Freq: 118.825 (Below FL 155).
△	DAGGA	514919N 0004739E					
(RNAV 5)		083°/-	13.2 nm	FL 460 / FL 85	odd FL 450 / FL 90		FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 133.940 (FL 245 and above); Freq: 124.425 (Below FL 245 to FL 155); Freq: 121.225 (Below FL 155).
△	CLACTON VOR/DME (CLN)	515054.50N 0010851.32E					Extremity of Q295. Intersection with (U)L620.
Route Remarks:							
An area of controlled airspace, Class C above FL 195 and Class A below FL 195, base FL 85, upper limit FL 245, bounded by great circle lines joining: 520045N 0004724E - 515548N 0010705E - 515426N 0004840E - 520045N 0004724E, is part of Q295.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
T55 (RNP/RNAV)							
△	CUTEL	555309N 0022228E					Extremity of T55. Intersection with L983, UL619 and UP16.
(RNAV 5)		075°/256°	39.2 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ITSUX	560300N 0033000E					
(RNAV 5)		076°/256°	51.8 nm	FL 460 / FL 245	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	TINAC	561503N 0050000E					UIR Boundary. For continuation see AIP Denmark. Intersection with T138.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
Y96 (RNP/RNAV)							
△	NATEB	550218N 0014154W					Extremity of Y96. Intersection with P18 and UL602.
(RNAV 5)		302°/122°	10 nm	FL 460 / FL 195	even FL 430 / FL 200	odd FL 450 / FL 210	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	AGPED	550719N 0015657W					
(RNAV 5)		302°/121°	19.2 nm	FL 460 / FL 195	even FL 430 / FL 200	odd FL 450 / FL 210	Class C. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	OTBUN	551650N 0022600W					
(RNAV 5)		301°/121°	10.0 nm	FL 460 / FL 155	even FL 430 / FL 160	odd FL 450 / FL 170	FL 460/FL 195 Class C, FL 195/FL 155 Class A. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	IPSAD	552145N 0024114W					
(RNAV 5)		301°/121°	12.1 nm	FL 460 / FL 115	even FL 430 / FL 120	odd FL 450 / FL 130	FL 460/FL 195 Class C, FL 195/FL 115 Class A. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	HAVEN	552740N 0025947W					
(RNAV 5)		283°/103°	12.4 nm	FL 460 / FL 95	even FL 430 / FL 100	odd FL 450 / FL 110	FL 460/FL 195 Class C, FL 195/FL 95 Class D. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	TALLA VOR/DME (TLA)	552956.92N 0032110.20W					Eastbound route only btn NORBO and TLA. Intersection with UL602.
(RNAV 5)		-/099°	48.4 nm	FL 460 / 6000 ft ALT		odd FL 450 / FL 70	FL 460/FL 195 Class C, FL 195/Alt 6000 ft Class D. Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	NORBO	553545N 0044543W					Extremity of Y96.
Route Remarks:							
- AGPED - IPSAD may not be available due to activity within either EG D512 or EG D512A (Otterburn Danger Areas). - The portion of Y96 between OTBUN and HAVEN below FL 195 is Class A and extends 5 nm either side of the centre-line. - An area of controlled airspace, Class C above FL 195 and Class A below FL 195, base level FL 115 bounded by great circle lines joining: 553805N 0025111W - 552606N 0023655W - 551724N 0024532W - 551742N 0030000W - 552201N 0030000W - 553100N 0025156W - 553805N 0025111W is part of Y96.							

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
Y321 (RNP/RNAV)							
△	PEPIS	511148N 0011437W					Southbound route only except for specified aerodrome arriving ttc; See DNM RAD Annex EG. Extremity of Y321. Intersection with (U)Q41.
(RNAV 5)		004°/184°	8.5 nm	FL 460 / FL 85	even FL 240 / FL 100	odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 135.800 (Below FL 215 to FL 155); Freq: 129.080 (Below FL 155 to FL 105); Freq: 134.125 (Below FL 105).
△	NUBRI	512017N 0011356W					
(RNAV 5)		004°/184°	9.2 nm	FL 460 / FL 85	even FL 240 / FL 100	odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. Between 5 nm south of CPT and NUBRI: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 135.800 (Below FL 215 to FL 155); Freq: 129.080 (Below FL 155 to FL 105); Freq: 134.125 (Below FL 105). Between CPT and 5 nm south of CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 135.800 (Below FL 215 to FL 155); Freq: 129.080 (Below FL 155 to FL 135); Freq: 134.125 (Below FL 135).
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W					Intersection with (U)L9.
(RNAV 5)		-171°	29.6 nm	FL 460 / FL 85		odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. Between 10 nm north of CPT and CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 135.800 (Below FL 215 to FL 155); Freq: 129.080 (Below FL 155 to FL 135); Freq: 134.125 (Below FL 135). Between 15 nm north of CPT and 10 nm north of CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 135.800 (Below FL 215 to FL 155); Freq: 131.130 (Below FL 155 to FL 125); Freq: 119.775 (Below FL 125). Between EMKUK and 15 nm north of CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 215); Freq: 133.080 (Below FL 215).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
△	EMKUK	515837N 0012115W					Intersection with (U)L612.
(RNAV 5)		-171°	23.4 nm	FL 460 / FL 85		odd FL 450 / FL 90	FL 460/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 134.390 (FL 225 and above); Freq: 133.080 (Below FL 225).
△	ADMEX	522139N 0012745W					Extremity of Y321.
Route Remarks:							
• Due to ATC operational requirements, the cruising level allocation between CPT and PEPIS is inappropriate to the MAG Track.							

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
Y803 (RNP/RNAV)							
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W					Extremity of Y803.
(RNAV 5)		122°/302°	33.4 nm	FL 245 / FL 85	odd FL 230 / FL 90	even FL 240 / FL 100	FL 245/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 135.050 (FL 175 and above); Freq: 133.175 (Below FL 175).
△	SEAFORD VOR/DME (SFD)	504538.49N 0000718.89E					
(RNAV 5)		064°/244°	32.1 nm	FL 245 / FL 85	odd FL 230 / FL 90	even FL 240 / FL 100	FL 245/FL 195 Class C, FL 195/FL 85 Class A. London Control (Swanwick) Freq: 128.425 (FL 195 and above); Freq: 120.175 (Below FL 195).
△	LYDD VOR/DME (LYD)	505958.87N 0005243.18E					
(RNAV 5)		062°/242°	8.1 nm	FL 245 / FL 85	odd FL 230 / FL 90	even FL 240 / FL 100	FL 245/FL 195 Class C, FL 195/FL 85 Class A. Dual designation with M189 btn LYD and DVR. London Control (Swanwick) Freq: 134.900 (FL 195 and above); Freq: 135.325 (Below FL 195).

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
△	SANDY	510351N 0010403E					
(RNAV 5)		062°/242°	12.5 nm	FL 245 / FL 65	odd FL 230 / FL 70	even FL 240 / FL 80	FL 245/FL 195 Class C, FL 195/FL 65 Class A. Dual designation with M189 btn LYD and DVR. London Control (Swanwick) Freq: 134.900 (FL 195 and above); Freq: 135.325 (Below FL 195).
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E					Extremity of Y803. Intersection with L9 and M140.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes					
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST			
(RNP/RNAV Type)		Initial Track MAG ↓↑	Great circle Dist.	Upper limit/ lower limit	FL series		Controlling Unit/ Airspace Class/ Remarks
					IFR cruising levels max/min		
					↓	↑	
Y958 (RNP/RNAV)							
△	BRUCE	561411N 0055028W				DRA Arrival and Departure Transition Fix. Extremity of Y958. Intersection with L602.	
(RNAV 5)		330°/150°	37.8 nm	FL 255 / FL 115	even FL 240 / FL 120	odd FL 250 / FL 130	FL 255/FL 195 Class C, FL 195/FL 115 Class E and TMZ. (See Note) Scottish Control (Prestwick) Freq: 127.275 (All Levels).
△	TOBMO	564538N 0062811W				Extremity of Y958.	

Route Remarks:

- For use by traffic climbing to or descending from the Shanwick OCA Boundary.
- The portion of Y958 below FL 195 is Class E and TMZ and extends 5 nm either side of the centre-line.
- **Note:** Transponder carriage and operation required within that part of Y958 notified as Class E and TMZ.

ENR 3.3 AREA NAVIGATION ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes				
Significant Point Name		Significant Point Coordinates		Way Point: IDENT of VOR/DME (ELEV of DME antenna), BRG & DIST		
(RNP/RNAV Type)	Initial Track MAG ↓/↑	Great circle Dist.	Upper limit/ lower limit	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
				↓	↑	
Z278 (RNP/RNAV)						
△	LARGA	545150N 0040912E				Eastbound route only. Extremity of Z278.
(RNAV 5)		009°/-	137.0 nm	FL 460 / FL 245	odd FL 450 / FL 250	Class C. ATS delegated to Copenhagen ACC.
△	PENUN	570636N 0045011E				UIR Boundary. For continuation see AIP Norway.