

ENR 3.2 UPPER ATS ROUTES

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL6 (RNP/RNAV)								
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E						Eastbound route only. Extremity of UL6. Intersection with UL9.
(RNAV 5)		-106°	30.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between DET and 5 nm east of DET: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 134.900 (Below FL 255). Between 5 nm east of DET and 15 nm before DVR: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 135.325 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275). Between 15 nm before DVR and DVR: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	DETUNG VOR/DME (DET)	511814.41N 0003550.19E						Extremity of UL6.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
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(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL7 (RNP/RNAV)								
△	LONAM	535022N 0035633E						UIR Boundary. For continuation see AIP Netherlands. Intersection with UM90 and UN610.
(RNAV 5)		339°/ 159°	29.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	VENAS	541820N 0033908E						
(RNAV 5)		339°/ 159°	6.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GOLVO	542441N 0033508E						
(RNAV 5)		339°/ 159°	15.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	PELET	543912N 0032552E						Intersection with UL74 and UP58.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓	↑						
(RNAV 5)		339°/ 159°	19.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ASKAM	545747N 0031350E							Intersection with UP59.
(RNAV 5)		332°/ 152°	62.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	CUTEL	555309N 0022228E							Intersection with P5 and UL619.
(RNAV 5)		336°/ 155°	71.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ODMIX	565812N 0012803E							
(RNAV 5)		335°/ 155°	65.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	FORTY	575700N 0003545E							Intersection with UM86, UN583, UP60 and UZ105.
(RNAV 5)		335°/ 155°	129.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	SUMBURGH VOR/DME (SUM)	595243.52N 0011711.52W							Intersection with UN603 and UP612. Extremity of UL7.
Route Remarks:									
CDR Category One and Two (CDR 1 and 2) between LONAM and VENAS (ENR 1.1, paragraph 1.1.7 refers). CDR 1 Every weekend 1700 Fri to 0700 Mon and every night Mon-Thu 2300-0700 Winter (Summer 1 hr earlier). CDR 2 Mon-Thu 0700-2300 and Fri 0700-1700 Winter (Summer 1 hr earlier). Available when published in the AUP/UUP. - Dual designation with UL74 btn PELET and VENAS.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL8 (RNP/RNAV)								
△	STAF	525141N 0021435W						Westbound route only. Extremity of UL8.
(RNAV 5)		326°/-	20.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	NANTI	530815N 0023401W						
(RNAV 5)		326°/-	3.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	UMKIL	531106N 0023723W						
(RNAV 5)		332°/-	8.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	VABKA	531808N 0024410W						
(RNAV 5)		332°/-	12.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	ASNIP	532843N 0025426W						Intersection with UL28.
(RNAV 5)		329°/-	7.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	TADAL	533514N 0030135W						
(RNAV 5)		329°/-	10.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BILVO	534352N 0031109W						Extremity of UL8. Intersection with UP6.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
UL9 (RNP/RNAV)									
△	KONAN	510751N 0020000E							Eastbound route only btn BIG and KONAN. UIR Boundary. Extremity of UL9. Intersection with UL607 (see AIP Belgium).
(RNAV 5)		-/094°	24.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 315 and above); Freq: 134.900 (Below FL 315).
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E							
(RNAV 5)		-/102°	13.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 134.900 (Below FL 295).
△	UMTUM	511227N 0010103E							
(RNAV 5)		-/102°	11.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 132.605 (Below FL 295 to FL 275); Freq: 134.900 (Below FL 275).
△	EMKAD	511450N 0004234E							
(RNAV 5)		-/102°	5.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 132.605 (Below FL 295 to FL 275); Freq: 134.900 (Below FL 275).
△	LAVRI	511549N 0003449E							
(RNAV 5)		-/101°	10.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 132.605 (Below FL 295 to FL 275); Freq: 134.900 (Below FL 275).
△	DIKVU	511747N 0001902E							
(RNAV 5)		-/101°	10.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 132.605 (Below FL 295).
△	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E							
(RNAV 5)		282°/ 102°	8.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	GOXUL	512132N 0001033W							
(RNAV 5)		282°/ 102°	33.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	LINDY	512814N 0010257W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		282°/ 102°	2.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	NORRY	512847N 0010724W							
(RNAV 5)		282°/ 102°	3.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W							Intersection with UM197.
(RNAV 5)		282°/ 102°	9.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	KENET	513114N 0012718W							
(RNAV 5)		286°/ 106°	9.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	GAVGO	513350N 0014236W							
(RNAV 5)		284°/ 104°	59.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UL18 btn GAVGO and DIKAS. Between GAVGO and abm POMAX: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm POMAX and DIKAS: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	DIKAS	514637N 0031533W							Intersection with UL18, UL180, UN864 and UP4.
(RNAV 5)		284°/ 103°	67.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W							Intersection with UM17, UN26 and UP2.
(RNAV 5)		291°/ 111°	31.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	SLANY	520931N 0055032W							UIR Boundary. Extremity of UL9.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UL10 (RNP/RNAV)									
△	RINTI	510158N 0013656E							Eastbound route only btn DVR and RINTI. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-/129°	12.4 nm		FL 315 / FL 245	10 nm		odd FL 310 / FL 250	Class C. London Control (Swanwick) Freq: 134.900 (All Levels).
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E							
(RNAV 5)		303°/ 123°	13.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	ITVIP	511714N 0010312E							Intersection with UQ70.
(RNAV 5)		303°/ 123°	40.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	LAMBOURNE VOR/DME (LAM)	513845.69N 0000906.13E							Westbound route only btn LAM and BPK.
(RNAV 5)		303°/-	11.5 nm		FL 460 / FL 245	10 nm	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)		306°/ 125°	20.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between BPK and 10 nm before BUZAD: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 10 nm before BUZAD and BUZAD: London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	BUZAD	515632N 0003308W							
(RNAV 5)		305°/ 125°	8.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	WOBUN	520110N 0004400W							
(RNAV 5)		305°/ 125°	17.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between WOBUN and 7 nm before DTY: London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295). Between 7 nm before DTY and DTY: London Control (Swanwick) Freq: 129.205 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
△	DAVENTRY VOR/DME (DTY)	521048.51N 0010649.64W							
(RNAV 5)		299°/ 119°	22.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.205 (All Levels).
△	HONILEY VOR/DME (HON)	522124.04N 0013949.41W							Eastbound route only btn WAL and HON. Intersection with P155 and UL15.
(RNAV 5)		-141°	82.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between WAL and 5300N: London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285). Between 5300N and HON: London Control (Swanwick) Freq: 129.205 (All Levels).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							Intersection with UL151, UL975 and UN862.
(RNAV 5)		307°/ 127°	8.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	RIGVA	532809N 0031858W							
(RNAV 5)		307°/ 127°	13.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	TUVDO	533540N 0033644W							
(RNAV 5)		307°/ 127°	2.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	PENIL	533657N 0033949W							Intersection with UL70.
(RNAV 5)		307°/ 127°	17.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	LAMVI	534700N 0040358W							
(RNAV 5)		307°/ 127°	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

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Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	CASEL	534952N 0041057W							
(RNAV 5)		307°/ 127°	7.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	KELLY	535419N 0042151W							DRA Entry and Exit Fix. Extremity of UL10. Intersection with L10.
Route Remarks:									
DVR - RINTI only available for EGKK departures with a FPL at FL 350 and above. CDR Category Two (CDR 2) between DVR and RINTI and after UIR Boundary. Availability subject to LF-CBA1 activity.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL15 (RNP/RNAV)									
△	MOTOX	505728N 0012800E							Eastbound route only btn SANDY and MOTOX. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-113°	16.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 350	Class C. Between 10 nm before MOTOX and MOTOX: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 135.325 (Below FL 305). Between SANDY and 10 nm be- fore MOTOX: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 135.325 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275).
△	SANDY	510351N 0010403E							
(RNAV 5)		293°/ 112°	42.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 310	Class C. Between SANDY and 20 nm be- fore BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 135.325 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275). Between 20 nm before BIG and BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 134.900 (Below FL 255).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes								
Significant Point Name		Significant Point Coordinates								
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks	
							IFR cruising levels max/min			
△	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E						↓	↑	Eastbound route only btn SOSIM and BIG. Intersection with UL9.
(RNAV 5)		-135°	40.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).	
△	BETPO	514754N 0004328W								
(RNAV 5)		-135°	17.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).	
△	FINMA	515947N 0010313W								Intersection with UM605.
(RNAV 5)		-135°	3.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).	
△	PIXUP	520151N 0010640W								Manchester TMA departures that FPL a cruising level at FL 310 or above, will be required to achieve FL 310 by PIXUP.
(RNAV 5)		-135°	28.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.205 (All Levels).	
△	HONILEY VOR/DME (HON)	522124.04N 0013949.41W								Intersection with P155.
(RNAV 5)		-134°	40.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.205 (All Levels).	
△	KEPAD	524835N 0022844W								Intersection with UL151.
(RNAV 5)		-133°	19.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).	
△	RISLA	530151N 0025312W								Intersection with UN862.
(RNAV 5)		-133°	14.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).	
△	AMPIT	531139N 0031133W								
(RNAV 5)		-133°	19.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).	
△	MALUD	532448N 0033630W								
(RNAV 5)		-129°	22.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick)	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
									Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	GIGTO	533801N 0040551W							Intersection with UQ4.
(RNAV 5)		-129°	18.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	SOSIM	534856N 0043030W							DRA Exit Fix. Extremity of UL15.
Route Remarks:									
CDR Category Two (CDR 2) between SANDY and MOTOX (ENR 1.1, paragraph 1.1.7 refers). CDR 2 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UL18 (RNP/RNAV)									
△	SEAFORD VOR/DME (SFD)	504538.49N 0000718.89E						Extremity of UL18. Intersection with UM605.	
(RNAV 5)		302°/ 122°	33.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between SFD and 10 nm northwest of SFD: London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295). Between 10 nm northwest of SFD and 10 nm southeast of MID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 255); Freq: 135.050 (Below FL 255). Between 10 nm southeast of MID and MID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W						Intersection with UL151 and UL612.	
(RNAV 5)		308°/ 128°	19.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between MID and 10 nm southeast of VAPID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 10 nm southeast of VAPID and VAPID: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	VAPID	511514N 0010242W							
(RNAV 5)		308°/ 128°	5.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	NIGIT	511847N 0011015W							
(RNAV 5)		308°/ 128°	16.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between NIGIT and 10 nm southeast of INLAK: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 10 nm southeast of INLAK and INLAK: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 275); Freq: 134.750 (Below FL 275).
△	INLAK	512841N 0013127W						Intersection with UL607.	
(RNAV 5)		308°/ 128°	8.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above);



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 132.165 (Below FL 305 to FL 275); Freq: 134.750 (Below FL 275).
△	GAVGO	513350N 0014236W							
(RNAV 5)		284°/ 104°	59.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UL9 btn GAVGO and DIKAS. Between GAVGO and abm POMAX: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm POMAX and DIKAS: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	DIKAS	514637N 0031533W							Intersection with UL9 and UN864.
(RNAV 5)		316°/ 136°	15.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	MEDOG	515701N 0033258W							
(RNAV 5)		316°/ 135°	41.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	LANON	522552N 0042221W							
(RNAV 5)		315°/ 135°	20 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	BADSI	523930N 0044617W							
(RNAV 5)		315°/ 135°	36 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	LIPGO	530350N 0053000W							UIR Boundary. Extremity of UL18.
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) between MEDOG and LIPGO (ENR 1.1, paragraph 1.1.7 refers).									
(i) FL 305 and above:									
Westbound: CDR 1 H24; Eastbound: CDR 1 2200-0700 Winter (Summer 1 hr earlier).									
(ii) Below FL 305:									
Westbound: 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. Eastbound: CDR 1 2200-0700 Winter (Summer 1 hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL22 (RNP/RNAV)								
△	MERLY	512000N 0050000W						Westbound route only. Extremity of UL22.
(RNAV 5)		280°/-	79.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between MERLY and the eastern boundary of the BANBA CTA (512806N 0064015W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (512806N 0064015W) and MOPAT: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	MOPAT	512955N 0070537W						UIR Boundary. Extremity of UL22.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL28 (RNP/RNAV)									
△	TRENT VOR/DME (TNT)	530314.23N 0014011.89W							Westbound route only btn TNT and MCT. Extremity of UL28.
(RNAV 5)		329°/-	13.1 nm		FL 460 / FL 245	10 nm	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).
△	RODOL	531417N 0015143W							Intersection with UP6.
(RNAV 5)		298°/-	16.1 nm		FL 460 / FL 245	10 nm	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).
△	MANCHESTER VOR/DME (MCT)	532125.29N 0021544.24W							Intersection with M16.
(RNAV 5)		289°/ 109°	24.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	ASNIP	532843N 0025426W							Intersection with UL8.
(RNAV 5)		289°/ 109°	28.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	PENIL	533657N 0033949W							Eastbound route only btn SOSIM and PENIL. Intersection with UL10.
(RNAV 5)		-/114°	32.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	SOSIM	534856N 0043030W							DRA Exit Fix. Extremity of UL28.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL60 (RNP/RNAV)								
△	KOLAG	530237N 0031518E						Westbound route only btn KOLAG and MAMUL. UIR Boundary. For continuation see AIP Netherlands.
(RNAV 5)		278°/-	27.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	SOPEK	530632N 0023000E						
(RNAV 5)		278°/-	89.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between SOPEK and 0010000E: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335). Between 0010000E and OTBED: 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).
△	OTBED	531717N 0000155E						Intersection with UY70.
(RNAV 5)		281°/-	25.1 nm		FL 460 / FL 245	10 nm	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).
△	NISBI	532129N 0003921W						
(RNAV 5)		280°/-	9.8 nm		FL 460 / FL 245	10 nm	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).
△	DOPEK	532304N 0005532W						
(RNAV 5)		280°/-	4.0 nm		FL 460 / FL 245	10 nm	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).
△	ARTIX	532342N 0010209W						
(RNAV 5)		280°/-	6.5 nm		FL 460 / FL 245	10 nm	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).
△	MOGMO	532443N 0011251W						
(RNAV 5)		280°/-	2.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick)

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	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).
△	MAMUL	532505N 0011648W							Intersection with UL603.
(RNAV 5)		280°/ 100°	9.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	ADELU	532630N 0013213W							Westbound route only btn ADELU and PENIL.
(RNAV 5)		280°/-	10 nm		FL 460 / FL 245	10 nm	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).
△	BOLBI	532800N 0014845W							
(RNAV 5)		280°/-	13.0 nm		FL 460 / FL 245	10 nm	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).
△	SONEX	532953N 0021021W							
(RNAV 5)		280°/-	53.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	PENIL	533657N 0033949W							Extremity of UL60. Intersection with UL10 and UL70.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UL70 (RNP/RNAV)									
△	DESIG	533138N 0015334W							Extremity of UL70. Intersection with UL603 and UL975.
(RNAV 5)		277°/ 097°	31.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	KOLID	533426N 0024521W							
(RNAV 5)		277°/ 096°	9.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	TADAL	533514N 0030135W							
(RNAV 5)		276°/ 096°	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	GUNTU	533537N 0030954W							
(RNAV 5)		276°/ 096°	17.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	PENIL	533657N 0033949W							Westbound route only btm PENIL and BAGSO. Intersection with UL10.
(RNAV 5)		276°/-	10.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	BABRA	533739N 0035643W							
(RNAV 5)		276°/-	5.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	GIGTO	533801N 0040551W							
(RNAV 5)		276°/-	7.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
									Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	UNDUX	533830N 0041839W							
(RNAV 5)		276°/-	5.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	SOPAX	533849N 0042708W							
(RNAV 5)		276°/-	13.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	RAMOX	533937N 0045022W							
(RNAV 5)		276°/-	11.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	OGTUG	534012N 0050850W							
(RNAV 5)		276°/-	12.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	BAGSO	534048N 0053000W							UIR Boundary. Extremity of UL70.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL149 (RNP/RNAV)									
△	DAWLY	503427N 0032750W						Extremity of UL149. Intersection with UY91.	
(RNAV 5)		310°/ 130°	14.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	DEVOM	504318N 0034519W						Intersection with UN26.	
(RNAV 5)		310°/ 130°	11.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	DIDEL	505035N 0035950W						Intersection with UN514.	
(RNAV 5)		310°/ 129°	48.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	MERLY	512000N 0050000W						Intersection with UL22 and UM140.	
(RNAV 5)		338°/ 157°	11.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	GISOK	513009N 0050728W						Southbound route only btn BAKUR and GISOK. Intersection with UN18.	
(RNAV 5)		-157°	14.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	NEKAP	514335N 0051726W							
(RNAV 5)		-157°	34.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	BAKUR	521430N 0054049W						UIR Boundary. Extremity of UL149.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between MERLY and BAKUR (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D113A activity. CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓			↑				
UL151 (RNP/RNAV)									
△	SITET	500600N 0000000E							Eastbound (southbound) route only. UIR Boundary. Extremity of UL151. Intersection with UN859.
(RNAV 5)		-156°	7.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.050 (All Levels).
△	DRAKE	501234N 0000434W							
(RNAV 5)		-158°	54.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.050 (All Levels).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W							
(RNAV 5)		-148°	29.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	LINDY	512814N 0010257W							
(RNAV 5)		-148°	21.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	KIDLI	514617N 0012141W							Intersection with UN859.
(RNAV 5)		-148°	7.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	NEDEX	515237N 0012820W							
(RNAV 5)		-148°	10.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	NANUM	520135N 0013747W							
(RNAV 5)		-148°	3.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	TUBSU	520406N 0014028W							
(RNAV 5)		-148°	2.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	DISIT	520611N 0014241W							
(RNAV 5)		-148°	11.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	PEPUL	521603N 0015314W							
(RNAV 5)		-148°	10.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	VIDOK	522439N 0020231W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
(RNAV 5)		-148°	18.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	TELBA	523952N 0021907W							
(RNAV 5)		-148°	10.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	KEPAD	524835N 0022844W							Intersection with UL15.
(RNAV 5)		-147°	42.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							Extremity of UL151.
Route Remarks:									
The area of airspace bounded by: 523853N 0022755W - 514408N 0012901W - 513624N 0012504W - 513710N 0013022W - 523253N 0023011W - 523853N 0022755W, is part of UL151.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL179 (RNP/RNAV)									
△	INLAK	512841N 0013127W							Eastbound route only btn INLAK and CPT. Extremity of UL179.
(RNAV 5)		087°/-	11.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W							Intersection with UL9 and UM197.
(RNAV 5)		080°/ 261°	52.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between CPT and 15 nm east of CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 15 nm east of CPT and LAM: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	LAMBOURNE VOR/DME (LAM)	513845.69N 0000906.13E							Westbound route only btn GILTI and LAM.
(RNAV 5)		-/274°	14.5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	FERIT	513759N 0003221E							Intersection with UM14.
(RNAV 5)		-/274°	4.0 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	SIRGO	513746N 0003847E							Intersection with UL620.
(RNAV 5)		-/274°	3.8 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TERKO	513732N 0004448E							
(RNAV 5)		-/274°	6.3 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TUGPO	513710N 0005452E							
(RNAV 5)		-/274°	13.7 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TOBIX	513617N 0011651E							
(RNAV 5)		-/274°	12.4 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
△	ERING	513526N 0013643E							
(RNAV 5)		-/274°	16.6 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	GILTI	513413N 0020318E							UIR Boundary. For continuation see AIP Netherlands.
Route Remarks:									
• CDR Category One (CDR 1) between GILTI and LAM (ENR 1.1, paragraph 1.1.7 refers). CDR 1 H24. • The use of this route may be interrupted when MoD (Shoeburyness) requires the activation of Danger Areas EG D138 and D138A above ALT 13000 ft through which the route passes. These Danger Areas are activated by NOTAM. Non-availability of UL179 will be notified by means of the daily UK CDR Closure NOTAM and the Eurocontrol CRAM.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL180 (RNP/RNAV)								
△	LESLU	510000N 0080000W						UIR Boundary. Extremity of UL180.
(RNAV 5)		082°/ 263°	115.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MERLY	512000N 0050000W						Intersection with UL22, UM140 and UN21.
(RNAV 5)		069°/ 250°	29.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	ASRAX	513117N 0041643W						Intersection with UT7.
(RNAV 5)		070°/ 250°	6.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	SWANY	513334N 0040748W						Intersection with UM17.
(RNAV 5)		070°/ 250°	13.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	ABDUK	513834N 0034801W						Intersection with UL607.
(RNAV 5)		070°/ 250°	21.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes								
Significant Point Name		Significant Point Coordinates								
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks	
							IFR cruising levels max/min			
△	DIKAS	514637N 0031533W						↓	↑	Southbound (westbound) route only between RILES and DIKAS. Intersection with UL9 and UP4.
(RNAV 5)		-/232°	16.2 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).	
△	RILES	515655N 0025522W								Extremity of UL180.
Route Remarks:										
CDR Category One and Three (CDR 1 and 3) between LESLU and MERLY (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 H24.										

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL603 (RNP/RNAV)								
△	LAMSO	524358N 0025940E						Eastbound route only btn TENSO and LAMSO. UIR Boundary. For continuation see AIP Netherlands. Intersection with UP154 and UZ304 (See AIP Netherlands).
(RNAV 5)		-/102°	7.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	BUKUT	524530N 0024802E						
(RNAV 5)		-/102°	11.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	DIBAL	524750N 0023000E						
(RNAV 5)		-/102°	1.2 nm		FL 460 / FL 245	10 nm	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)		-/101°	54.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	DOLAS	525843N 0010003E						
(RNAV 5)		-/109°	39.4 nm		FL 460 / FL 245	10 nm	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).
△	AMVEL	531103N 0000155W						
(RNAV 5)		-/108°	10 nm		FL 460 / FL 245	10 nm	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).
△	ROGAG	531406N 0001745W						
(RNAV 5)		-/108°	14.6 nm		FL 460 / FL 245	10 nm	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).
△	LAMIX	531829N 0004056W						Intersection with UT29.
(RNAV 5)		-/108°	20.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
									Freq: 128.125 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	EDUXO	532424N 0011301W							
(RNAV 5)		-/108°	2.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	MAMUL	532505N 0011648W							
(RNAV 5)		-/108°	11.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	ELNOD	532826N 0013524W							
(RNAV 5)		-/108°	11.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	DESIG	533138N 0015334W							For flight planning purposes btn REMSI and DESIG, FL 250 and FL 270 are not avbl for cruising t/c.
(RNAV 5)		-/113°	12.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	TENSO	533602N 0021227W							
(RNAV 5)		293°/ 112°	48.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	BELOX	535316N 0032923W							
(RNAV 5)		292°/ 112°	12.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 125.680 (All Levels).
△	REMSI	535737N 0034932W							DRA Entry and Exit Fix. Extremity of UL603.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL607 (RNP/RNAV)								
△	KONAN	510751N 0020000E						Eastbound route only. UIR Boundary. For continuation see AIP Belgium.
(RNAV 5)		-/099°	134.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between INLAK and abm DET: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm DET and abm ITVIP: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275). Between abm ITVIP and KONAN: London Control (Swanwick) Freq: 127.430 (FL 315 and above); Freq: 134.900 (Below FL 315).
△	INLAK	512841N 0013127W						Intersection with UL18.
(RNAV 5)		-/098°	66.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	NUMPO	513636N 0031701W						Intersection with UP2.
(RNAV 5)		-/097°	19.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between NUMPO and abm POMAX: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm POMAX and ABDUK: Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	ABDUK	513834N 0034801W						Intersection with UL180.
(RNAV 5)		-/096°	55.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
△	NEKAP	514335N 0051726W							
(RNAV 5)		-/096°	47.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between NEKAP and the eastern boundary of the BANBA CTA (514539N 0060210W): London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335). Between the eastern boundary of the BANBA CTA (514539N 0060210W) and EVRIN: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	EVRIN	514656N 0063348W							UIR Boundary. Extremity of UL607.
Route Remarks:									
• EG D115A, EG D117 and EG D118 may affect minimum overflying level.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL608 (RNP/RNAV)								
△	SUMUM	513814N 0020628E						Westbound route only. UIR Boundary. For continuation see AIP Netherlands. Intersection with UY6.
(RNAV 5)		290°/-	19.7 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	LOGAN	514451N 0013643E						Intersection with UL980.
(RNAV 5)		289°/-	18.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between LOGAN and 10 nm be- fore CLN: London Control (Swanwick) Freq: 128.160 (All Levels). Between 10 nm before CLN and CLN: London Control (Swanwick) Freq: 133.940 (All Levels).
△	CLACTON VOR/DME (CLN)	515054.50N 0010851.32E						Extremity of UL608.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL610 (RNP/RNAV)								
△	RAPIX	512638N 0020000E						Westbound route only. UIR Boundary. For continuation see AIP Belgium.
(RNAV 5)		280°/-	4.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	SUNUP	512731N 0015227E						
(RNAV 5)		280°/-	10 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TEBRA	512920N 0013643E						
(RNAV 5)		280°/-	18.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	KOPUL	513232N 0010814E						
(RNAV 5)		280°/-	6.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	UNSAID	513340N 0005746E						

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		280°/-	12.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	NILON	513546N 0003804E							
(RNAV 5)		280°/-	1.9 nm		FL 460 / FL 245		even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	GILDA	513606N 0003501E							Intersection with UL620 and UM14.
(RNAV 5)		280°/-	16.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	LAMBOURNE VOR/DME (LAM)	513845.69N 0000906.13E							Intersection with UL179 and UN57.
(RNAV 5)		295°/-	23.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	HEMEL	514820N 0002510W							Extremity of UL610. Intersection with UT420.
Route Remarks:									
- CDR Category One (CDR 1) between RAPIX and LAM (ENR 1.1, paragraph 1.1.7 refers). CDR 1 H24. - The use of this route may be interrupted when MoD (Shoeburyness) requires the activation of Danger Areas EG D138 and D138A above ALT 13000 ft through which the route passes. These Danger Areas are activated by NOTAM. Non-availability of UL610 will be notified by means of the daily UK CDR Closure NOTAM and the Eurocontrol CRAM.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL612 (RNP/RNAV)								
△	XAMAB	501216N 0001553E						Eastbound route only btn DCS and XAMAB. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-147°	12.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	HAWKE	502227N 0000525E						Intersection with UM189.
(RNAV 5)		-147°	5.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	BENBO	502705N 0000037E						Intersection with UY47.
(RNAV 5)		-147°	18.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	BOGNA	504207N 0001506W						
(RNAV 5)		-147°	25.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between MID and 10 nm after MID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 10 nm after MID and 10 nm before BOGNA: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 255); Freq: 135.050 (Below FL 255). Between 10 nm before BOGNA and BOGNA: London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W						
(RNAV 5)		-159°	25.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between WOD and 15 nm before MID: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 15 nm before MID and MID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	WOODLEY NDB (WOD)	512710.02N 0005243.68W						Intersection with UM605.
(RNAV 5)		-145°	12.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
△	COWLY	513658N 0010354W							Intersection with UQ41.
(RNAV 5)		-/154°	24.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	EMKUK	515837N 0012115W							Intersection with Y321.
(RNAV 5)		-/154°	6.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	IXURA	520405N 0012540W							
(RNAV 5)		-/154°	19.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	HONILEY VOR/DME (HON)	522124.04N 0013949.41W							Intersection with P155.
(RNAV 5)		-/159°	51.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels).
△	LISTO	530836N 0021157W							
(RNAV 5)		-/159°	7.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	LOVEL	531506N 0021628W							
(RNAV 5)		-/159°	14.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BARTN	532814N 0022541W							Intersection with UL975.
(RNAV 5)		-/159°	10.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	CROFT	533737N 0023220W							
(RNAV 5)		-/159°	9.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	CALDA	534627N 0023838W							
(RNAV 5)		-/159°	8.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 133.705 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	OBUNI	535440N 0024433W							
(RNAV 5)		-/159°	6.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	VAMEB	540010N 0024832W							
(RNAV 5)		-/159°	15.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	LAKEY	541420N 0025852W							
(RNAV 5)		-/159°	31.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between DCS and 5415N: Scottish Control (Prestwick) Freq: 135.530 (All Levels). Between 5415N and LAKEY: 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).
△	DEAN CROSS DME (DCS)	544318.88N 0032026.30W							
(RNAV 5)		334°/ 154°	18.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	BEBNI	545906N 0033514W							
(RNAV 5)		334°/ 154°	16.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	NAVSO	551322N 0034849W							
(RNAV 5)		334°/ 154°	30.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	LUSIV	554002N 0041441W							
(RNAV 5)		334°/ 154°	3.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	FENIK	554255N 0041731W							
(RNAV 5)		334°/ 154°	10.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W							Intersection with UL602 and UP600.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
(RNAV 5)		341°/ 161°	76.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between GOW and 562000N: Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 124.825 (Below FL 255). Between 562000N and ORSUM: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	ORSUM	570307N 0051741W							Intersection with UP24.
(RNAV 5)		341°/ 161°	75.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W							Intersection with UN591, UN601, UN610 and UN614.
(RNAV 5)		346°/ 166°	142.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	MODGO	602643N 0073955W							Intersection with UP61.
(RNAV 5)		346°/ 166°	22.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	BESGA	604723N 0075446W							Intersection with UP612.
(RNAV 5)		346°/ 166°	13.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	MATIK	610000N 0080400W							UIR Boundary. Extremity of UL612.
Route Remarks:									
The area of airspace bounded by: 550603N 0041419W - 544000N 0032654W - 543356N 0031901W - 541053N 0030154W - 550603N 0041419W, is part of UL612.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL613 (RNP/RNAV)								
△	SOVAT	504646N 0012800E						Westbound (northbound) route only between SOVAT and TLA. UIR Boundary. For continuation see AIP France.
(RNAV 5)		319°/-	22.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	SANDY	510351N 0010403E						Intersection with UL15, UN57 and UN601.
(RNAV 5)		325°/-	70.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between SANDY and abm DET: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305). Between abm DET and STOAT: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	STOAT	520133N 0000115W						
(RNAV 5)		332°/-	19.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 285 and above); Freq: 127.105 (Below FL 285).
△	MOGLI	521830N 0001609W						
(RNAV 5)		332°/-	48.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 285 and above); Freq: 127.105 (Below FL 285).
△	BETAX	530033N 0005403W						
(RNAV 5)		332°/-	28.1 nm		FL 460 / FL 245	10 nm	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).
△	MAMUL	532505N 0011648W						Intersection with UY250.
(RNAV 5)		332°/-	21.9 nm		FL 460 / FL 245	10 nm	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						Intersection with UN590.
(RNAV 5)		332°/-	28.6 nm		FL 460 / FL 245	10 nm	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).
△	ABKAT	540853N 0015847W						Intersection with UP18.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		332°/-	94.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	TALLA VOR/DME (TLA)	552956.92N 0032110.20W							Intersection with UL602 and UN601.
(RNAV 5)		358°/ 178°	52.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 270	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	FINDO	562209N 0032749W							Intersection with UP600.
(RNAV 5)		358°/ 178°	65.4 nm		FL 460 / FL 245	10 nm	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).
△	VADNO	572711N 0033738W							
(RNAV 5)		358°/ 178°	42.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	PIPEM	580923N 0034419W							
(RNAV 5)		358°/ 178°	49.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	SOXON	585806N 0035222W							
(RNAV 5)		358°/ 178°	28.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	BAMRA	592600N 0035710W							Extremity of UL613.
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) between FINDO and BAMRA (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL619 (RNP/RNAV)									
△	VALBO	550743N 0050000E							UIR Boundary. Extremity of UL619. Intersection with L619 (see AIP Denmark).
(RNAV 5)		297°/ 116°	49.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 280	odd FL 450 / FL 270	Class C. ATS delegated to Copenhagen ACC.
△	AVRAL	553034N 0034259E							
(RNAV 5)		296°/ 116°	50.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 280	odd FL 450 / FL 270	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	CUTEL	555309N 0022228E							Intersection with L983, UL7 and UP16.
(RNAV 5)		301°/ 120°	62.1 nm		FL 460 / FL 245	10 nm	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 M83 and UN591.
(RNAV 5)		308°/ 127°	103.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between RIVOT and 0010000W: Scottish Control (Prestwick) Freq: 134.775 (All Levels). Between 0010000W and DENOG: Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	DENOG	572553N 0014516W							
(RNAV 5)		307°/ 125°	286.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between DENOG and 0043000W: Scottish Control (Prestwick) Freq: 129.225 (All Levels). Between 0043000W and AKIVO: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	AKIVO	595752N 0093000W							Extremity of UL619. Intersection with UP60.
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 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)	Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks	
						IFR cruising levels max/min			
						↓	↑		
UL620 (RNP/RNAV)									
△	GAPLI	500000N 0080000W						Extremity of UL620. UIR Boundary.	
(RNAV 5)		087°/ 268°	91.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W						Intersection with UM142, UP620 and UT7.	
(RNAV 5)		074°/ 255°	87.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	DAWLY	503427N 0032750W						Intersection with UN864, UP69, UP70, UP71, UP72 and UP73.	
(RNAV 5)		075°/ 255°	28.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	BRIPO	504227N 0024500W							
(RNAV 5)		075°/ 255°	9.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	GIBSO	504459N 0023107W						Intersection with UM17 and UN514.	
(RNAV 5)		075°/ 255°	11.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	BEVUP	504800N 0021420W							
(RNAV 5)		075°/ 256°	10.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	ABKIM	505043N 0015858W							
(RNAV 5)		076°/ 256°	25.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W						Intersection with N866, UM140, UN20, UN621, UQ41 and UY8.	
(RNAV 5)		078°/ 259°	27.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W						Westbound route only between CLN and MID.	
(RNAV 5)		-/235°	56.1 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	GILDA	513606N 0003501E						Intersection with UL610.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
(RNAV 5)		-/235°	2.9 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	SIRGO	513746N 0003847E							Intersection with UL179.
(RNAV 5)		-/235°	6.6 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	MANGO	514134N 0004726E							
(RNAV 5)		-/235°	16.3 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	CLACTON VOR/DME (CLN)	515054.50N 0010851.32E							Eastbound route only between CLN and REDFA.
(RNAV 5)		072°/-	10.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 118.480 (All Levels).
△	ARTOV	515419N 0012533E							Intersection with M604 and UP44.
(RNAV 5)		072°/-	41.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	REDFA	520653N 0022917E							UIR Boundary. For continuation see AIP Netherlands.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL722 (RNP/RNAV)									
△	ANNET	493905N 0040005W						UIR Boundary. For continuation see AIP France.	
(RNAV 5)		025°/ 205°	49.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 126.075 (All Levels).
△	BERRY HEAD VOR/DME (BHD)	502354.98N 0032937.46W						Extremity of UL722. Intersection with UN864.	
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 1600 Fri to 0745 Mon, and Mon-Fri 2359-0745 Winter (Summer 1hr earlier). - Flts intending to join or leave UL722, south of BHD, must avoid Danger Areas EG D003 and EG D004 when they are active and must, therefore, flight plan via BHD. Flts joining UL722 are to expect ATC to route them tactically via N864/UN864, under radar control, until they are above FL 245. Flts leaving UL722 are to expect ATC to vector flts into N864/UN864 before descent to levels below FL 245. - Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UL739 (RNP/RNAV)									
△	LIZAD	493525N 0041949W						UIR Boundary. For continuation see AIP France.	
(RNAV 5)		283°/ 102°	63.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MABUG	494705N 0055612W						Intersection with UN12 and UN34.	
(RNAV 5)		282°/ 102°	81.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GAPLI	500000N 0080000W						UIR Boundary. Extremity of UL739.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UL975 (RNP/RNAV)								
△	LIFFY	532848N 0053000W						Eastbound route only btn LIFFY and BARTN. UIR Boundary. Extremity of UL975.
(RNAV 5)		095°/-	12.1 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	IDEXA	532814N 0050951W						
(RNAV 5)		096°/-	11.0 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	GINIS	532739N 0045129W						
(RNAV 5)		096°/-	8 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	NATKO	532712N 0043807W						
(RNAV 5)		096°/-	10.9 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	LYNAS	532633N 0042000W						
(RNAV 5)		096°/-	13.1 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	ROLEX	532542N 0035804W						
(RNAV 5)		096°/-	9.0 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	OSLOR	532505N 0034303W						
(RNAV 5)		096°/-	3.9 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
									Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	MALUD	532448N 0033630W							Intersection with UL15. EIDW depts requesting to cruise at FL 290 or above will be expected to achieve FL 290 by MALUD.
(RNAV 5)		096°/-	9.1 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	EMLIP	532408N 0032124W							
(RNAV 5)		096°/-	8.0 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							Intersection with M16, UL10, UL151, UN862 and UY53.
(RNAV 5)		081°/-	17.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	ASMIM	532646N 0023911W							
(RNAV 5)		081°/-	8.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BARTN	532814N 0022541W							
(RNAV 5)		081°/ 261°	9.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	SONEX	532953N 0021021W							
(RNAV 5)		081°/ 262°	7.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	DENBY	533113N 0015740W							
(RNAV 5)		082°/ 262°	2.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
									Freq: 133.705 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	DESIG	533138N 0015334W							Intersection with UL70 and UL603.
(RNAV 5)		082°/ 262°	12.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	UNIGO	533340N 0013339W							
(RNAV 5)		082°/ 262°	9.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	UPTON	533513N 0011803W							
(RNAV 5)		082°/ 262°	2.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	ARPUB	533534N 0011428W							
(RNAV 5)		082°/ 262°	5.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	GOLES	533629N 0010500W							Westbound route only btn LIBSO and GOLES.
(RNAV 5)		-1278°	42.4 nm		FL 460 / FL 245	10 nm		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							Intersection with UT29.
(RNAV 5)		043°/ 223°	29.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between LIBSO and 15 nm before ROVNI: 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 15 nm before ROVNI and ROVNI: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	ROVNI	535313N 0003901E							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
(RNAV 5)		046°/ 227°	89.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	NIGOL	545418N 0022932E							
(RNAV 5)		082°/ 262°	25.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ASKAM	545747N 0031350E							
(RNAV 5)		066°/ 247°	26.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	ROPAL	550817N 0035643E							
(RNAV 5)		067°/ 247°	26.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	INPUT	551818N 0043905E							
(RNAV 5)		067°/ 247°	12.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	LESRA	552308N 0050000E							UIR Boundary. Continues as L975 (see AIP Denmark).
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) between LIBSO and LESRA (ENR 1.1, paragraph 1.1.7 refers). Closure by NOTAM predicated on EG D323B/E status. CDR 1 and 3 H24. - Between LIFFY and WAL the width is 12 nm with the CL aligned WAL - LIFFY; this portion of UL975 extends 5 nm to the south and 7 nm to the north of the CL.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UL980 (RNP/RNAV)									
△	ORTAC	495957N 0020018W						Eastbound route only btn ORTAC and MID. UIR Boundary. Extremity of UL980.	
(RNAV 5)		040°/-	10.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.825 (All Levels).
△	VEXEN	500822N 0014934W							
(RNAV 5)		040°/-	9.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.825 (All Levels).
△	DOMUT	501543N 0014009W							
(RNAV 5)		040°/-	20.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	KATHY	503114N 0012000W						Intersection with UN867.	
(RNAV 5)		041°/-	23.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between KATHY and 10 nm be- fore AVANT: London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345). Between 10 nm before AVANT and AVANT: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 134.440 (Below FL 305).
△	AVANT	504912N 0005618W							
(RNAV 5)		041°/-	18.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W						Westbound route only btn XAMAN and MID.	
(RNAV 5)		-/220°	46.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between 15 nm before MID and MID: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305). Between LAM and 15 nm before MID: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	LAMBOURNE VOR/DME (LAM)	513845.69N 0000906.13E							
(RNAV 5)		-/264°	12.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	WESUL	514015N 0002909E						Intersection with UM14.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		-/264°	7.4 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	BRASO	514107N 0004100E							
(RNAV 5)		-/264°	4.0 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	MANGO	514134N 0004726E							
(RNAV 5)		-/264°	2.2 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	LIVSU	514149N 0005058E							
(RNAV 5)		-/264°	3.8 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	SABER	514214N 0005658E							
(RNAV 5)		-/264°	5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TRIPO	514247N 0010458E							
(RNAV 5)		-/264°	19.9 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	LOGAN	514451N 0013643E							
(RNAV 5)		-/264°	22.9 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	XAMAN	514705N 0021327E							UIR Boundary. For continuation see AIP Netherlands.
Route Remarks:									
- The Upper Airspace bounded by: 500620N 0014207W - 500000N 0014301W - 500000N 0015013W - 500620N 0014207W, is part of UL980. - Due to Brest ACC operational requirements, the cruising level allocation between ORTAC and MID is inappropriate to the MAG Track. - UL980 as defined does not include that part of EG D138 north of a line 513705N 0005511E - 513821N 0011344E. Pilots flying UL980 below ALT 35000 ft should ensure that they do not fly south of track between LOGAN and LAM.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM8 (RNP/RNAV)									
△	SUBIP	502644N 0005306E							Westbound route only. UIR Boundary. Extremity of UM8.
(RNAV 5)		287°/-	9.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.425 (All Levels).
△	ELDAX	502918N 0003930E							
(RNAV 5)		296°/-	13.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.050 (All Levels).
△	WAFFU	503457N 0002059E							Extremity of UM8. Intersection with UY8.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM14 (RNP/RNAV)									
△	GILDA	513606N 0003501E							Westbound (northbound) route only. Extremity of UM14.
(RNAV 5)		319°/-	2.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	FERIT	513759N 0003221E							
(RNAV 5)		319°/-	3.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	WESUL	514015N 0002909E							
(RNAV 5)		319°/-	28.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	STOAT	520133N 0000115W							Extremity of UM14. Intersection with UL613.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM17 (RNP/RNAV)									
△	KUMIL	503431N 0013639W							Eastbound route only btn GIBSO and KUMIL. Extremity of UM17.
(RNAV 5)		-108°	20.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	BILNI	504031N 0020733W							
(RNAV 5)		-108°	15.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	GIBSO	504459N 0023107W							
(RNAV 5)		311°/ 130°	41.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	EXMOR	511043N 0032135W							Intersection with UM140.
(RNAV 5)		310°/ 130°	14.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	KESUP	511932N 0033917W							
(RNAV 5)		310°/ 130°	22.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	SWANY	513334N 0040748W							
(RNAV 5)		310°/ 130°	42.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W							Westbound route only btn STU and VATRY. Intersection with UL9 and UN546.
(RNAV 5)		336°/-	10.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	PEMOB	520838N 0050941W							Intersection with UN14.
(RNAV 5)		336°/-	27.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	VATRY	523316N 0053000W							UIR Boundary. Extremity of UM17.
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 activity within EG D201A/F/G. CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM20 (RNP/RNAV)									
△	RINIS	515430N 0021921E							Westbound route only. UIR Boundary. For continuation see AIP Netherlands.
(RNAV 5)		268°/-	16.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	IDESI	515352N 0015308E							Intersection with UY6.
(RNAV 5)		298°/-	28.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	LAPRA	520707N 0011236E							Extremity of UM20.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM25 (RNP/RNAV)									
△	ANNET	493905N 0040005W							Eastbound route only. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-101°	24.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	NAKID	494254N 0043723W							Intersection with UN160.
(RNAV 5)		-100°	61.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	IDOKI	495137N 0061139W							Intersection with UN12.
(RNAV 5)		-099°	70.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GAPLI	500000N 0080000W							UIR Boundary. Extremity of UM25.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UM30 (RNP/RNAV)									
△	SALCO	494414N 0033146W						Southbound route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		-/200°	44.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	NOTRO	502612N 0031021W						Extremity of UM30.	
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 1600 Fri to 0745 Mon Winter (Summer 1hr earlier). - Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UM65 (RNP/RNAV)									
△	RODOL	531417N 0015143W						Westbound route only. Extremity of UM65.	
(RNAV 5)		332°/-	25.1 nm		FL 460 / FL 245	10 nm	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).
△	TENSO	533602N 0021227W						Extremity of UM65. Intersection with UL603.	



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM82 (RNP/RNAV)									
△	TIPTA	544813N 0013641W						Eastbound route only btn TIPTA and ROBEM. Extremity of UM82.	
(RNAV 5)		029°/-	44.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	ROBEM	552733N 0010114W						Intersection with UP16.	
(RNAV 5)		047°/ 228°	83.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	RIVOT	562429N 0004637E						Intersection with UM89.	
(RNAV 5)		057°/ 239°	130.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between RIVOT and 0020000E: Scottish Control (Prestwick) Freq: 134.775 (All Levels). Between 0020000E and NIVUN: Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	NIVUN	573412N 0040813E						UIR Boundary. Extremity of UM82. Intersection with M82, P5, P609 and Z321 (see AIP Norway).	
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 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM84 (RNP/RNAV)								
△	KONAN	510751N 0020000E						Southbound route only. UIR Boundary. For continuation see AIP Belgium.
(RNAV 5)		-128°	29.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.900 (All Levels).
△	ABTUM	512604N 0012229E						
(RNAV 5)		-178°	12.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.900 (All Levels).
△	NONVA	513846N 0012144E						
(RNAV 5)		-147°	10.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.900 (All Levels).
△	EVMEK	514741N 0011218E						
(RNAV 5)		-147°	3.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.900 (All Levels).
△	CLACTON VOR/DME (CLN)	515054.50N 0010851.32E						Extremity of UM84.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM86 (RNP/RNAV)									
△	FORTY	575700N 0003545E						Extremity of UM86. Intersection with UL7, UP60 and UP600.	
(RNAV 5)		296°/ 115°	153.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	SOXON	585806N 0035222W							
(RNAV 5)		295°/ 113°	182.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between SOXON and 0043000W: Scottish Control (Prestwick) Freq: 129.225 (All Levels). Between 0043000W and AKIVO: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	AKIVO	595752N 0093000W						Extremity of UM86. Intersection with UP60.	
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 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UM89 (RNP/RNAV)									
△	TURNBERRY VOR/DME (TRN)	551848.28N 0044701.89W							Extremity of UM89. Intersection with UP600.
(RNAV 5)		070°/ 251°	94.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 or 126.300 (Below FL 255).
△	SAINT ABBS VOR/DME (SAB)	555427.04N 0021222.81W							Intersection with L983 and UN562.
(RNAV 5)		074°/ 255°	104.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between SAB and 0013000W: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255). Between 0013000W and RIVOT: Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	RIVOT	562429N 0004637E							Intersection with UM82.
(RNAV 5)		045°/ 227°	129.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between RIVOT and 0013000E: Scottish Control (Prestwick) Freq: 134.775 (All Levels). Between 0013000E and ALOTI: Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	ALOTI	575427N 0033630E							UIR Boundary. Extremity of UM89. Intersection with T400 (see AIP Norway).
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) btn SAB and ALOTI (UIR Boundary) (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							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UM90 (RNP/RNAV)									
△	LONAM	535022N 0035633E							UIR Boundary. Extremity of UM90. Intersection with UL7.
(RNAV 5)		331°/ 150°	23.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	SOTUN	541036N 0033737E							Intersection with UL74.
(RNAV 5)		304°/ 124°	13.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
△	ROLUM	541820N 0031831E							
(RNAV 5)		304°/ 123°	126.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GIVEM	552754N 0001453E							
(RNAV 5)		304°/ 123°	83.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	NEXUS	561243N 0015041W							Extremity of UM90. Intersection with UP18 and UP59.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between SOTUN and NEXUS (ENR 1.1, paragraph 1.1.7 refers). Closure by NOTAM predicated on EG D323 status. CDR 1 and 3 H24. CDR Category One and Two (CDR 1 and 2) between LONAM and SOTUN (ENR 1.1, paragraph 1.1.7 refers). CDR 1 Every weekend 1700 Fri to 0700 Mon and every night Mon-Thu 2300-0700 Winter (Summer 1 hr earlier). CDR 2 Mon-Thu 0700-2300 and Fri 0700-1700 Winter (Summer 1 hr earlier). Available when published in the CRAM. - For EGPD Arrs/Deps only avbl when ATSOCAS below FL 245 is avbl on request from Swanwick Military.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM125 (RNP/RNAV)									
△	ORVIK	593818N 0004009E							UIR Boundary. Extremity of UM125. Intersection with M125 and P990 (see AIP Norway).
(RNAV 5)		286°/ 105°	61.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	SUMBURGH VOR/DME (SUM)	595243.52N 0011711.52W							Intersection with UN584, UN603 and UP612. Extremity of UM125.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM140 (RNP/RNAV)								
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E						Eastbound route only btn SAM and DVR. Extremity of UM140.
(RNAV 5)		-/084°	30.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275).
△	PENUX	510632N 0003412E						
(RNAV 5)		-/083°	73.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 275); Freq: 134.440 (Below FL 275).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W						
(RNAV 5)		282°/ 101°	77.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	EXMOR	511043N 0032135W						Intersection with UM17.
(RNAV 5)		281°/ 100°	62.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MERLY	512000N 0050000W						Eastbound route only btn NORLA and MERLY. Intersection with UL22 and UL180.
(RNAV 5)		-/106°	72.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between MERLY and the eastern boundary of the BANBA CTA (513306N 0062427W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (513306N 0062427W and NORLA: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	NORLA	513709N 0065211W						UIR Boundary. Extremity of UM140.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM142 (RNP/RNAV)									
△	OGAGI	492722N 0050157W							UIR Boundary. For continuation see AIP France.
(RNAV 5)		332°/ 152°	2.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.615 (FL 335 and above); Freq: 133.480 (Below FL 335).
△	DOLUR	492904N 0050326W							Intersection with UN38 and UN54.
(RNAV 5)		332°/ 152°	45.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W							Intersection with UL620, UN160 and UP620.
(RNAV 5)		303°/ 123°	30.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UN160 btn LND and INSUN. London Control (Swanwick) Freq: 132.950 (All Levels).
△	INSUN	502343N 0061924W							Intersection with UN34 and UN160.
(RNAV 5)		303°/ 122°	73.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LESLU	510000N 0080000W							UIR Boundary. Extremity of UM142.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between LND and LESLU (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM183 (RNP/RNAV)								
△	BARKWAY VOR/DME (BKY)	515923.17N 0000342.87E						Eastbound route only. Extremity of UM183.
(RNAV 5)		085°/-	4.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	ADMIS	515949N 0001036E						
(RNAV 5)		085°/-	35.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between ADMIS and 5 nm east of ADMIS: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 5 nm east of ADMIS and TEDSA: London Control (Swanwick) Freq: 133.940 (All Levels).
△	TEDSA	520303N 0010739E						
(RNAV 5)		085°/-	25.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	SONDO	520506N 0014842E						
(RNAV 5)		086°/-	17.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	SONOG	520620N 0021610E						
(RNAV 5)		086°/-	8.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	REDFA	520653N 0022917E						UIR Boundary. Extremity of UM183. Intersection with UL620 (see AIP Netherlands).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM185 (RNP/RNAV)								
△	ORTAC	495957N 0020018W						Eastbound route only btn ORTAC and BPK. UIR Boundary. Extremity of UM185.
(RNAV 5)		034°/-	47.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between ORTAC and abm THRED: London Control (Swanwick) Freq: 129.425 (FL 345 and above); Freq: 127.825 (Below FL 345). Between abm THRED and ELDER: London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	ELDER	503948N 0012014W						
(RNAV 5)		034°/-	24.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between ELDER and 10 nm be- fore HAZEL: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 134.440 (Below FL 305). Between 10 nm before HAZEL and HAZEL: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	HAZEL	510019N 0005904W						
(RNAV 5)		078°/-	13.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	MIDHURST VOR/DME (MID)	510314.23N 0003730.01W						
(RNAV 5)		025°/-	16.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between MID and 10 nm before OCK: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 10 nm before OCK and OCK: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	OCKHAM VOR/DME (OCK)	511818.17N 0002649.86W						Intersection with UQ3.
(RNAV 5)		026°/-	29.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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						Westbound route only btn ATNAK and BPK.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		-/240°	32.1 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Dual designation with N866 btn BPK and DIGSU. Between DIGSU and 15 nm west of DIGSU: London Control (Swanwick) Freq: 133.940 (All Levels). Between 15 nm west of DIGSU and BPK: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	DIGSU	520126N 0003805E							Intersection with N866.
(RNAV 5)		-/221°	95.0 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Between ADGEG and 30 nm be- fore DIGSU: London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335). Between 30 nm before DIGSU and DIGSU: London Control (Swanwick) Freq: 133.940 (All Levels).
△	ADGEG	531343N 0021906E							
(RNAV 5)		-/222°	110.6 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	TIPAN	543554N 0042356E							Intersection with N866.
(RNAV 5)		-/187°	145.8 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	ATNAK	570000N 0050000E							UIR Boundary. Extremity of UM185.
Route Remarks:									
CDR Category One (CDR 1) between TIPAN and DIGSU (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). Closure by NOTAM predicated on EG D323 status or activation of EAMTA.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM189 (RNP/RNAV)									
△	DRAKE	501234N 0000434W							Southbound route only. Tfc should plan to use eastbound levels. Extremity of UM189.
(RNAV 5)		-/213°	11.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	HAWKE	502227N 0000525E							Intersection with UL612.
(RNAV 5)		-/219°	16.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	WAFFU	503457N 0002059E							Intersection with UM605 and UY8.
(RNAV 5)		-/219°	32.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between WAFFU and 10 nm from WAFFU: London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295). Between 10 nm from WAFFU and LYD: London Control (Swanwick) Freq: 128.425 (All Levels).
△	LYDD VOR/DME (LYD)	505958.87N 0005243.18E							Extremity of UM189.
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UM195 (RNP/RNAV)									
△	LORKU	495618N 0022216W						Westbound route only. UIR Boundary. Intersection with N866. Extremity of UM195.	
(RNAV 5)		-/213°	21.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	MARUK	501447N 0020420W						Extremity of UM195.	
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. - The use of this airway may be interrupted when Danger Area EG D023 is activated above ALT 22000 ft. Closures will be notified by NOTAM and CRAM. 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 UM195 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.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM197 (RNP/RNAV)									
△	GAPLI	500000N 0080000W							UIR Boundary. Extremity of UM197.
(RNAV 5)		071°/ 254°	273.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 290	even FL 430 / FL 300	Class C. Between GAPLI and 00350W: London Control (Swanwick) Freq: 132.950 (All Levels). Between 00350W and 00240W: London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305). Between 00240W and 00150W: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335). Between 00150W and CPT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W							Eastbound route only btn CPT and REDFA. Intersection with Q295, UL9 and UL179.
(RNAV 5)		074°/-	38.8 nm		FL 460 / FL 285	10 nm	odd FL 450 / FL 290		Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	IPRIL	514029N 0001335W							Intersection with N866.
(RNAV 5)		075°/-	73.5 nm		FL 460 / FL 285	10 nm	odd FL 450 / FL 290		Class C. Between IPRIL and 00030E: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between 00030E and RATLO: London Control (Swanwick) Freq: 118.480 (All Levels).
△	RATLO	515929N 0014055E							Intersection with UP44.
(RNAV 5)		076°/-	30.8 nm		FL 460 / FL 285	10 nm	odd FL 450 / FL 290		Class C. London Control (Swanwick) Freq: 118.480 (All Levels).
△	REDFA	520653N 0022917E							UIR Boundary. Extremity of UM197. Intersection with UL620 (see AIP Netherlands).
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers).									
(i) FL 285 to FL 345:									
CDR 1 1700 Fri to 0900 Mon, Tue-Fri 0000-0900 and 0000-2359 during a Public Holiday, Winter (1 hr earlier in summer). CDR 3 at all other times.									
(ii) Above FL 345:									
CDR 1 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UM605 (RNP/RNAV)									
△	XIDIL	502106N 0003829E						Eastbound route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		-/141°	9.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	HARDY	502816N 0002928E							
(RNAV 5)		-/141°	8.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	WAFFU	503457N 0002059E							
(RNAV 5)		-/141°	13.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	SEAFORD VOR/DME (SFD)	504538.49N 0000718.89E							
(RNAV 5)		-/138°	56.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between WOD and abm MID: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm MID and SFD: London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	WOODLEY NDB (WOD)	512710.02N 0005243.68W						Intersection with UL612.	
(RNAV 5)		-/170°	7.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	BENSU	513444N 0005508W						Intersection with UQ70.	
(RNAV 5)		-/170°	16.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	SILVA	515051N 0010019W							
(RNAV 5)		-/170°	9.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	FINMA	515947N 0010313W						Intersection with UL15.	
(RNAV 5)		-/170°	11.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	DAVENTRY VOR/DME (DTY)	521048.51N 0010649.64W						Extremity of UM605.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM733 (RNP/RNAV)								
△	SUBIP	502644N 0005306E						Northbound route only. UIR Boundary. For continuation see AIP France.
(RNAV 5)		320°/-	7.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) (All Levels) Freq: 128.425
△	BANVA	503242N 0004512E						
(RNAV 5)		320°/-	19.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) (All Levels) Freq: 128.425.
△	UNDUG	504724N 0002530E						
(RNAV 5)		320°/-	18.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) (All Levels) Freq: 128.425.
△	MAYFIELD VOR/DME (MAY)	510101.86N 0000658.04E						Extremity of UM733.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UM868 (RNP/RNAV)									
△	TRENT VOR/DME (TNT)	530314.23N 0014011.89W						Eastbound route only. Extremity of UM868.	
(RNAV 5)		341°/-	7.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).
△	TIPIL	531000N 0014423W							
(RNAV 5)		015°/-	11.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).
△	EVSON	532127N 0013949W							
(RNAV 5)		043°/-	6.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).
△	ADELU	532630N 0013213W						Extremity of UM868. Intersection with UL60.	
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation between TNT and TIPIL is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UM869 (RNP/RNAV)								
△	SURAT	555456N 0033000E						Extremity of UM869. Intersection with L983.
(RNAV 5)		080°/ 260°	51.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250 even FL 430 / FL 260	Class C. ATS delegated to Copenhagen ACC.
△	GOREV	560312N 0050000E						UIR Boundary. Extremity of UM869. Intersection with M869 (see AIP Denmark).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN12 (RNP/RNAV)									
△	DOLUR	492904N 0050326W							Extremity of UN12.
(RNAV 5)		300°/ 120°	38.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MABUG	494705N 0055612W							Intersection with UN34 and UL739.
(RNAV 5)		297°/ 117°	11.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	IDOKI	495137N 0061139W							Intersection with UM25.
(RNAV 5)		297°/ 116°	39.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	TESDO	500726N 0070700W							Intersection with UN20.
(RNAV 5)		296°/ 116°	37.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LULOX	502200N 0080000W							UIR Boundary. Extremity of UN12.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN14 (RNP/RNAV)									
△	KENET	513114N 0012718W							Westbound route only.
(RNAV 5)		295°/-	28.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	UGNUS	514232N 0020823W							
(RNAV 5)		295°/-	16.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	OKTAD	514904N 0023246W							Intersection with Q60.
(RNAV 5)		284°/-	14.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	DOBEM	515211N 0025545W							
(RNAV 5)		284°/-	12.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	TOPRO	515442N 0031457W							
(RNAV 5)		284°/-	11.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	MEDOG	515701N 0033258W							Intersection with UL18.
(RNAV 5)		283°/-	47.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	ABAPO	520610N 0044812W							
(RNAV 5)		283°/-	13.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	PEMOB	520838N 0050941W							Intersection with UM17, UN24 and UN30.
(RNAV 5)		290°/-	8.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
△	LANPI	521115N 0052330W							Intersection with Q63.
(RNAV 5)		290°/-	11.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	BAKUR	521430N 0054049W							UIR Boundary. Extremity of UN14.
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) between MEDOG and BAKUR (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. - EG D201F and D203 activity may affect availability and/or minimum overflying level.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN16 (RNP/RNAV)									
△	GOODWOOD VOR/DME (GWC)	505118.78N 0004524.25W						Eastbound route only. Extremity of UN16.	
(RNAV 5)		047°/-	27.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	OTSID	511023N 0001351W							
(RNAV 5)		047°/-	13.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E							
(RNAV 5)		349°/-	25.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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)		024°/-	15.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	BARKWAY VOR/DME (BKY)	515923.17N 0000342.87E						Extremity of UN16.	
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation between BIG and BPK is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN18 (RNP/RNAV)									
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W						Extremity of UN18.	
(RNAV 5)		020°/ 200°	65.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	ELRAG	511028N 0050621W							
(RNAV 5)		360°/ 180°	19.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GISOK	513009N 0050728W						Intersection with UL149.	
(RNAV 5)		360°/ 180°	38.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	PEMOB	520838N 0050941W						Extremity of UN18.	
Route Remarks:									
CDR Category Two and Three (CDR 2 and 3) (ENR 1.1-1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 2 and 3. - Minimum overflying level may be affected if EG D113A or SWMDA Area C is active. - Due to ATC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN20 (RNP/RNAV)									
△	GAPLI	500000N 0080000W							UIR Boundary. Extremity of UN20.
(RNAV 5)		081°/ 261°	35.0 nm		FL 460 / FL 275	10 nm	odd FL 450 / FL 290	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	TESDO	500726N 0070700W							Intersection with UN12.
(RNAV 5)		081°/ 261°	44.3 nm		FL 460 / FL 275	10 nm	odd FL 450 / FL 290	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	RIGDI	501615N 0055929W							
(RNAV 5)		074°/ 254°	11.8 nm		FL 460 / FL 275	10 nm	odd FL 450 / FL 290	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GITUS	502000N 0054200W							
(RNAV 5)		074°/ 255°	94.3 nm		FL 460 / FL 275	10 nm	odd FL 450 / FL 290	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	BUMUX	504816N 0032058W							
(RNAV 5)		084°/ 265°	76.7 nm		FL 460 / FL 275	10 nm	odd FL 450 / FL 290	even FL 430 / FL 280	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W							Extremity of UN20. Intersection with UL620 and UM140.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓		↑					
UN21 (RNP/RNAV)									
△	GAPLI	500000N 0080000W							UIR Boundary. Extremity of UN21.
(RNAV 5)		057°/ 238°	139.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MERLY	512000N 0050000W							Intersection with UL180. Extremity of UN21.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between GAPLI and MERLY (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. Available Westbound H24 and Eastbound 1400-0600 (1 hr earlier in summer).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓		↑					
UN22 (RNP/RNAV)									
△	SALCO	494414N 0033146W							Northbound route only. Extremity of UN22. UIR Boundary.
(RNAV 5)		347°/-	42.3 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	BABAX	502511N 0034817W							Intersection with UP16. Extremity of UN22.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D003 and EG D004 activity. CDR 1 and 3 1600 Fri to 0745 Mon Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN24 (RNP/RNAV)									
△	PEMOB	520838N 0050941W							Westbound route only. Extremity of UN24.
(RNAV 5)		275°/-	25.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	SLANY	520931N 0055032W							Extremity of UN24. UIR Boundary.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D201A activity. CDR 1 and 3 H24.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UN26 (RNP/RNAV)									
△	MANIG	494707N 0031534W							Southbound route only between BHD and MANIG. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-168°	37.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	BERRY HEAD VOR/DME (BHD)	502354.98N 0032937.46W							Intersection with UN864.
(RNAV 5)		334°/ 154°	21.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	DEVOM	504318N 0034519W							Intersection with UL149.
(RNAV 5)		330°/ 150°	90.5 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W							Intersection with UL9, UM17, UN546 and UP2. Extremity of UN26.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DEVOM and STU (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 Mon-Fri 1700-0745 and 1700 Fri to 0745 Mon, or the day preceding a PH to 0745 Mon or the day following a PH Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN28 (RNP/RNAV)									
△	GATRA	511752N 0063755W						Southbound route only. Extremity of UN28.	
(RNAV 5)		-/203°	42.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between GATRA and the eastern boundary of the BANBA CTA (513123N 0062954W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (513123N 0062954W) and BANBA: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	BANBA	515710N 0061421W						UIR Boundary. Extremity of UN28.	
Route Remarks:									
• CDR Category Two and Three (CDR 2 and 3) (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 2 and 3. • Link route for periods of activity of SWMDA Area B (when UP620 between BANBA and LND not available). • Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN30 (RNP/RNAV)									
△	BANBA	515710N 0061421W							Westbound route only. UIR Boundary. Extremity of UN30.
(RNAV 5)		-/257°	41.5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Between BANBA and the eastern boundary of the BANBA CTA (515835N 0060634W): ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels). Between the eastern boundary of the BANBA CTA (515835N 0060634W) and PEMOB: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	PEMOB	520838N 0050941W							Extremity of UN30.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D201A activity. CDR 1 and 3 H24.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN32 (RNP/RNAV)									
△	ANNET	493905N 0040005W						Southbound route only. UIR Boundary. Extremity of UN32.	
(RNAV 5)		-/216°	57.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	NOTRO	502612N 0031021W						Extremity of UN32.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). Availability subject to EG D003, D004 and D013 activity. CDR 1 and 3 1600 Fri to 0745 Mon Winter (Summer 1hr earlier). - Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN34 (RNP/RNAV)									
△	TALIG	493059N 0054804W							Extremity of UN34.
(RNAV 5)		344°/ 164°	17.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MABUG	494705N 0055612W							Intersection with UL739, UN12 and UT7.
(RNAV 5)		340°/ 160°	39.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	INSUN	502343N 0061924W							Intersection with UM142 and UN160.
(RNAV 5)		351°/ 171°	55.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GATRA	511752N 0063755W							Northbound route only between GATRA and EVRIN.
(RNAV 5)		008°/-	29.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between GATRA and the eastern boundary of the BANBA CTA (512921N 0063618W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (512921N 0063618W) and EVRIN: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	EVRIN	514656N 0063348W							UIR Boundary. Extremity of UN34.
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) between MABUG and EVRIN (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. Availability subject to SWMDA activity. - Due to ATC operational requirements, the cruising level allocation between GATRA and EVRIN is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN38 (RNP/RNAV)									
△	DOLUR	492904N 0050326W							Extremity of UN38. Intersection with UM142.
(RNAV 5)		312°/ 131°	145.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LESLU	510000N 0080000W							UIR Boundary. Extremity of UN38.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DOLUR and LESLU (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 H24.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN40 (RNP/RNAV)									
△	DOKEK	512518N 0060329W						Northbound route only. Extremity of UN40.	
(RNAV 5)		322°/-	28.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between DOKEK and the eastern boundary of the BANBA CTA (513518N 0061724W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (513518N 0061724W) and EVRIN: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	EVRIN	514656N 0063348W						UIR Boundary. Extremity of UN40.	
Route Remarks:									
• CDR Category Two and Three (CDR 2 and 3) (ENR 1.1, paragraph 1.1.7 refers).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN42 (RNP/RNAV)									
△	RETSI	523042N 0025233W						Southbound route only. Extremity of UN42. Intersection with UN862.	
(RNAV 5)		-156°	25.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	MONTY	525334N 0031026W						Extremity of UN42.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN54 (RNP/RNAV)									
△	DOLUR	492904N 0050326W						Extremity of UN54. Intersection with UM142.	
(RNAV 5)		344°/ 164°	122.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) (All Levels) Freq: 132.950.
△	DOKEK	512518N 0060329W						Intersection with UP620 (Southbound) and UN40. Extremity of UN54.	

Route Remarks:

- CDR Category One and Three (CDR 1 and 3) between DOLUR and DOKEK** (ENR 1.1, paragraph 1.1.7 refers).
Availability subject to SWMDA activity.
CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UN57 (RNP/RNAV)								
△	SANDY	510351N 0010403E						Westbound (northbound) route only btn SANDY and POL. Extremity of UN57.
(RNAV 5)		316°/-	49.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between SANDY and abm DET: London Control (Swanwick) Freq: 135.325 (FL 275 and above); Freq: 134.900 (Below FL 275). Between abm DET and LAM: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	LAMBOURNE VOR/DME (LAM)	513845.69N 0000906.13E						
(RNAV 5)		315°/-	51.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. Between LAM and abm BPK: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305). Between abm BPK and WELIN: London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	WELIN	521450N 0005108W						
(RNAV 5)		315°/-	25.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	SAPCO	523225N 0012125W						
(RNAV 5)		341°/-	32.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	TRENT VOR/DME (TNT)	530314.23N 0014011.89W						Intersection with UL28.
(RNAV 5)		341°/-	44.3 nm		FL 460 / FL 245	10 nm	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).
△	POLE HILL VOR/DME (POL)	534437.56N 0020611.98W						Not available for flight planning btn DCS and POL.
(RNAV 5)		-145°	10.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	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).
△	BAMEP	535242N 0021609W						

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		-145°	10.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	SETEL	540045N 0022609W							
(RNAV 5)		-145°	6.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	OLPOP	540532N 0023208W							
(RNAV 5)		-145°	10.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	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).
△	IPNOX	541340N 0024222W							
(RNAV 5)		-145°	37.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	DEAN CROSS DME (DCS)	544318.88N 0032026.30W							Eastbound route only btn MAC and DCS. Intersection with UL612 and UN864.
(RNAV 5)		-120°	90.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W							DRA Entry and Exit Fix. Extremity of UN57.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN58 (RNP/RNAV)									
△	AMPOP	493148N 0060903W						Westbound route only. Extremity of UN58.	
(RNAV 5)		353°/-	107.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	GATRA	511752N 0063755W						Extremity of UN58. Intersection with UN34.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between AMPOP and GATRA (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 H24.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN63 (RNP/RNAV)									
△	LORKU	495618N 0022216W						Westbound route only. UIR Boundary. Extremity of UN63. Intersection with N866.	
(RNAV 5)		-/206°	48.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	KAPEX	504030N 0015100W						Extremity of UN63.	
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 will not be available when Danger Area EG D023 activated by NOTAM above ALT 22000 ft. Late notice activations will result in traffic being routed via LELNA and UN621. - Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN80 (RNP/RNAV)									
△	NAKID	494254N 0043723W							Extremity of UN80. Intersection with UM25 and UN160.
(RNAV 5)		297°/ 115°	142.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	ARKIL	503928N 0080000W							UIR Boundary. Extremity of UN80.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between NAKID and ARKIL (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN83 (RNP/RNAV)									
△	NAKID	494254N 0043723W							Extremity of UN83. Intersection with UM25 and UN160.
(RNAV 5)		312°/ 131°	145.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LEDGO	511424N 0073405W							UIR Boundary. Extremity of UN83.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between NAKID and LEDGO (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN84 (RNP/RNAV)									
△	NAKID	494254N 0043723W						Extremity of UN84. Intersection with UM25 and UN160.	
(RNAV 5)		290°/ 109°	136.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LULOX	502200N 0080000W						UIR Boundary. Extremity of UN84.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN90 (RNP/RNAV)									
△	SKESO	494929N 0030203W						Southbound route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		-173°	37.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	NOTRO	502612N 0031021W						Intersection with UY91.	
(RNAV 5)		-188°	52.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	LAMAT	511807N 0030103W						Extremity of UN90.	

Route Remarks:

- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers).
Availability subject to EG D013 activity.
CDR 1 and 3 1600 Fri to 0745 Mon Winter (Summer 1hr earlier).
- Due to ATC operational requirements, the cruising level allocation between LAMAT and NOTRO is inappropriate to the MAG Track.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN160 (RNP/RNAV)									
△	LIZAD	493525N 0041949W						Intersection with UL739. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		305°/ 125°	13.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	NAKID	494254N 0043723W						Intersection with UM25, UN80, UN83 and UN84.	
(RNAV 5)		305°/ 125°	46.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W						Intersection with UL620 and UM142.	
(RNAV 5)		303°/ 123°	30.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UM142 be- tween LND and INSUN. London Control (Swanwick) Freq: 132.950 (All Levels).
△	INSUN	502343N 0061924W						Intersection with UN34.	
(RNAV 5)		320°/ 140°	49.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	BOGMI	505953N 0071217W							
(RNAV 5)		320°/ 140°	20 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LEDGO	511424N 0073405W						UIR Boundary. Extremity of UN160.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between LND and LEDGO (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN490 (RNP/RNAV)									
△	TAKAS	490000N 0080000W						UIR Boundary. Extremity of UN490.	
(RNAV 5)		092°/ 272°	19.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Shannon ACC.
△	ALUTA	490019N 0072953W							
(RNAV 5)		092°/ 272°	11.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Brest ACC.
△	MOSIS	490026N 0071253W						UIR Boundary. For continuation see AIP France.	
Route Remarks:									
• The section btn TAKAS and MOSIS is dual designated UN490/UN491.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN491 (RNP/RNAV)									
△	TAKAS	490000N 0080000W							UIR Boundary. Extremity of UN491.
(RNAV 5)		092°/ 272°	19.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Shannon ACC.
△	ALUTA	490019N 0072953W							
(RNAV 5)		092°/ 272°	11.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. ATS delegated to Brest ACC.
△	MOSIS	490026N 0071253W							UIR Boundary. For continuation see AIP France.
Route Remarks:									
• The section btn TAKAS and MOSIS is dual designated UN490/UN491.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN502 (RNP/RNAV)									
△	PIKOD	492438N 0051559W							UIR Boundary. For continuation see AIP France.
(RNAV 5)		276°/ 096°	21.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC.
△	SUPAP	492602N 0054922W							Intersection with UP620.
(RNAV 5)		276°/ 096°	15.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC.
△	PEMAK	492656N 0061305W							
(RNAV 5)		276°/ 095°	31.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC.
△	PHILI	492831N 0070117W							
(RNAV 5)		275°/ 095°	38.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Shannon ACC.
△	RATKA	493000N 0080000W							UIR Boundary. Extremity of UN502.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN512 (RNP/RNAV)									
△	ADRUD	491014N 0062655W							UIR Boundary. For continuation see AIP France.
(RNAV 5)		298°/ 118°	29.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	LARLA	492241N 0070715W							
(RNAV 5)		285°/ 105°	35.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UN521 btn LARLA and RATKA. ATS delegated to Shannon ACC. Shannon ACC Freq: 135.600 (All Levels).
△	RATKA	493000N 0080000W							UIR Boundary. Extremity of UN512.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN514 (RNP/RNAV)									
△	POMPI	504548N 0005715W							Eastbound route only btn GIBSO and POMPI. Extremity of UN514.
(RNAV 5)		-/090°	10.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 134.440 (Below FL 305).
△	BEGTO	504545N 0011408W							
(RNAV 5)		-/090°	21.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between BEWLI and 10 nm before BEGTO: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305). Between 10 nm before BEGTO and BEGTO: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 134.440 (Below FL 305).
△	BEWLI	504531N 0014837W							
(RNAV 5)		-/090°	27.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	GIBSO	504459N 0023107W							Intersection with UL620.
(RNAV 5)		278°/ 097°	56.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	DIDEL	505035N 0035950W							Intersection with UL149.
(RNAV 5)		277°/ 096°	72.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	PAVLO	505605N 0055344W							Intersection with UP620.
(RNAV 5)		276°/ 095°	79.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LESLU	510000N 0080000W							UIR Boundary. Extremity of UN514.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DIDEL and LESLU (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0900 and from 1700 on Friday, or the day preceding a PH, to 0900 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN521 (RNP/RNAV)									
△	XAVAP	491402N 0060835W						UIR Boundary. For continuation see AIP France.	
(RNAV 5)		285°/ 105°	39.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	LARLA	492241N 0070715W							
(RNAV 5)		285°/ 105°	35.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Dual designation with UN512 btn LARLA and RATKA. ATS delegated to Shannon ACC. Shannon ACC Freq: 135.600 (All Levels).
△	RATKA	493000N 0080000W						UIR Boundary. Extremity of UN521.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN537 (RNP/RNAV)									
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W						DRA Entry and Exit Fix. Extremity of UN537.	
(RNAV 5)		060°/ 240°	48.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W						Extremity of UN537. Intersection with L983, UL602 and UP600.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN546 (RNP/RNAV)									
△	SALCO	494414N 0033146W						UIR Boundary. Extremity of UN546. Intersection with UM30 and UN864 (see AIP France).	
(RNAV 5)		339°/ 159°	147.3 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280	odd FL 450 / FL 290	Class C. Between SALCO and abm BABAX: London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305). Between abm BABAX and abm MERLY: London Control (Swanwick) Freq: 132.950 (All Levels) Between abm MERLY and STU: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W						Intersection with UN26.	
(RNAV 5)		305°/ 124°	27.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).
△	BAKUR	521430N 0054049W						UIR Boundary. Extremity of UN546.	
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) between SALCO and STU (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 Tue-Fri 0001-0745 and 2000 Fri to 0745 Mon Winter (Summer 1 hr earlier).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN552 (RNP/RNAV)									
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W						DRA Entry and Exit Fix. Extremity of UN552.	
(RNAV 5)		089°/ 270°	78.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between MAC and 25 nm before TLA: Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 124.825 (Below FL 255). Between 25 nm before TLA and TLA: Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 126.300 (Below FL 255).
△	TALLA VOR/DME (TLA)	552956.92N 0032110.20W						Extremity of UN552. Intersection with UL602.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UN562 (RNP/RNAV)									
△	SAINT ABBS VOR/DME (SAB)	555427.04N 0021222.81W						Extremity of UN562. Intersection with L983 and UM89.	
(RNAV 5)		260°/ 078°	120.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between SAB and abm LAMMA: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255). Between abm LAMMA and 40 nm before MAC: Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 126.300 (Below FL 255). Between 40 nm before MAC and MAC: Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	MACHRIHANISH DME (MAC)	552548.08N 0053901.49W						DRA Entry and Exit Fix. Extremity of UN562.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN581 (RNP/RNAV)									
Δ	VAXIT	563215N 0050000E						UIR Boundary. Extremity of UN581. Intersection with N581 (see AIP Denmark).	
(RNAV 5)		283°/ 103°	43.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Copenhagen ACC.
Δ	ELSAN	564219N 0034358E							
(RNAV 5)		283°/ 102°	15.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
Δ	GIBSU	564547N 0031610E							
(RNAV 5)		282°/ 102°	60.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
Δ	ODMIX	565812N 0012803E							
(RNAV 5)		282°/ 100°	123.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
△	ABERDEEN VOR/DME (ADN)	571837.62N 0021601.95W							Intersection with UN591 and UP600.
(RNAV 5)		284°/ 103°	45.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	VADNO	572711N 0033738W							DRA Entry and Exit Fix. Extremity of UN581.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between VAXIT and ADN (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. When airspace is required for essential military activity, the closure of this portion of UN581 will be notified through the AUP/CRAM issued by the AMC/CADF and by NOTAM.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN583 (RNP/RNAV)									
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W						DRA Entry and Exit Fix. Extremity of UN583. Intersection with UN591.	
(RNAV 5)		095°/ 276°	77.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between STN and 0043000W: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255). Between 0043000W and PIPEM: Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	PIPEM	580923N 0034419W							
(RNAV 5)		096°/ 278°	138.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	FORTY	575700N 0003545E						Extremity of UN583. Intersection with UP60, UP600 and UZ105.	
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) between STN and FORTY (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
UN584 (RNP/RNAV)									
△	BAMRA	592600N 0035710W						DRA Entry and Exit Fix. Extremity of UN584. Intersection with UN593.	
(RNAV 5)		074°/ 255°	85.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	SUMBURGH VOR/DME (SUM)	595243.52N 0011711.52W						Extremity of UN584. Intersection with UM125, UN603 and UP612.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
UN590 (RNP/RNAV)									
△	HALIF	534406N 0013450W						Westbound route only. Extremity of UN590.	
(RNAV 5)		326°/-	56.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between HALIF and abm RIBEL: 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). Between abm RIBEL and APPLE: Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	APPLE	543000N 0023050W							
(RNAV 5)		326°/-	15.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	ABEVI	544227N 0024629W							
(RNAV 5)		323°/-	90.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W						DRA Entry and Exit Fix. Extremity of UN590. Intersection with UL612.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN591 (RNP/RNAV)									
△	RIVOT	562429N 0004637E						Intersection with M83 and UL619. Extremity of UN591.	
(RNAV 5)		300°/ 119°	114 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ABERDEEN VOR/DME (ADN)	571837.62N 0021601.95W						Intersection with UN581 and UP600.	
(RNAV 5)		297°/ 116°	136.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between ADN and 0043000W: Scottish Control (Prestwick) Freq: 129.225 (All Levels). Between 0043000W and STN: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W						Intersection with UL612, UN583, UN601, UN610 and UN614.	
(RNAV 5)		296°/ 115°	111.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 132.730 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	NINEX	585120N 0093000W						Extremity of UN591. Intersection with UP59.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between RIVOT and ADN (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. For EGPD Arrs/Deps when EG D613A, B or C not active, dct routing below FL 245 may be avbl on request from Swanwick Military, otherwise the route is as detailed above.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN593 (RNP/RNAV)									
△	NINEX	585120N 0093000W							Extremity of UN593. Intersection with UP59.
(RNAV 5)		082°/ 264°	174.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Between NINEX and 0083000W: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255). Between 0083000W and BAMRA: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	BAMRA	592600N 0035710W							Extremity of UN593. Intersection with UN584 and UP60.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
UN601 (RNP/RNAV)									
△	SANDY	510351N 0010403E						Westbound route only btn SANDY and TLA. Extremity of UN601.	
(RNAV 5)		309°/-	22.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 275); Freq: 134.900 (Below FL 275).
△	DETLING VOR/DME (DET)	511814.41N 0003550.19E							
(RNAV 5)		316°/-	37.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	BROOKMANS PARK VOR/DME (BPK)	514459.05N 0000624.25W							
(RNAV 5)		330°/-	23.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	POTON	520504N 0002538W							
(RNAV 5)		330°/-	9.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	BEDFO	521330N 0003348W							
(RNAV 5)		330°/-	9.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	EBOTO	522133N 0004140W							
(RNAV 5)		330°/-	17.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	PIPIN	523636N 0005630W							
(RNAV 5)		330°/-	9.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	LESTA	524427N 0010419W						Intersection with UP6 and UY250.	
(RNAV 5)		330°/-	15.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	EMBOR	525748N 0011745W							
(RNAV 5)		330°/-	23.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 133.705 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	XAPOS	531729N 0013751W							
(RNAV 5)		330°/-	12.4 nm		FL 460 / FL 245	10 nm	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).
△	BOLBI	532800N 0014845W							
(RNAV 5)		330°/-	9.3 nm		FL 460 / FL 245	10 nm	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).
△	ULSAX	533554N 0015700W							
(RNAV 5)		329°/-	10.3 nm		FL 460 / FL 245	10 nm	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).
△	POLE HILL VOR/DME (POL)	534437.56N 0020611.98W							Intersection with UP18.
(RNAV 5)		340°/-	7.7 nm		FL 460 / FL 245	10 nm	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).
△	NELSA	535148N 0021105W							
(RNAV 5)		340°/-	9.9 nm		FL 460 / FL 245	10 nm	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).
△	RIBEL	540058N 0021723W							
(RNAV 5)		340°/-	9.1 nm		FL 460 / FL 245	10 nm	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).
△	ERGAB	540922N 0022312W							
(RNAV 5)		340°/-	22.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	SHAPP	543000N 0023738W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
(RNAV 5)		339°/-	13.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	↓ ↑	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	ABEVI	544227N 0024629W							
(RNAV 5)		339°/-	11.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	INPIP	545236N 0025346W							
(RNAV 5)		339°/-	16.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	UTOGU	550740N 0030443W							
(RNAV 5)		339°/-	1.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	INREV	550857N 0030539W							
(RNAV 5)		339°/-	9.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	ESKDO	551756N 0031215W							
(RNAV 5)		339°/-	5.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	IPDOR	552239N 0031545W							
(RNAV 5)		339°/-	7.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).
△	TALLA VOR/DME (TLA)	552956.92N 0032110.20W							Intersection with UL602 and UN864.
(RNAV 5)		334°/ 153°	66.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between TLA and 562000N: Scottish Control (Prestwick) Freq: 135.855 (FL 255 and above); Freq: 126.300 (Below FL 255). Between 562000N and ERSON: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	ERSON	562748N 0041824W							
(RNAV 5)		333°/ 153°	16.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	NEVIS	564143N 0043241W							Intersection with UP24.
(RNAV 5)		333°/ 153°	105.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between NEVIS and 571500N: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255). Between 571500N and STN:

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W							Intersection with UL612, UN583, UN591, UN610 and UN614.
(RNAV 5)		321°/ 140°	147.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	AKIVO	595752N 0093000W							Extremity of UN601. Intersection with UP60.
Route Remarks:									
- Two areas of controlled airspace Class C are part of UN601: (FL 245 - FL 460) 524757N 0004834W - 524523N 0005538W - 532003N 0013042W - 532109N 0012904W - 532012N 0011840W - 531755N 0010606W - 530016N 0010043W - 524757N 0004834W. (FL 245 - FL 460) 522632N 0003702W - 522630N 0002732W - 524757N 0004834W - 524523N 0005538W - 522632N 0003702W. Available H24. - The area of airspace bounded by straight lines joining: 552700N 0030000W - 535342N 0020655W - 552358N 0031101W - 552700N 0030000W, is part of UN601.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN603 (RNP/RNAV)									
△	BEREP	590209N 0014420E						UIR Boundary. Continues as N603 and intersects with Z107 (see AIP Norway).	
(RNAV 5)		301°/ 120°	105.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 134.850 (Below FL 255).
△	SUMBURGH VOR/DME (SUM)	595243.52N 0011711.52W						Intersection with UL7, UM125, UN584 and UP612.	
(RNAV 5)		277°/ 096°	142.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 300	odd FL 450 / FL 310	Class C. Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 134.850 (Below FL 255).
△	KESEG	600058N 0060056W						Intersection with UP61.	
(RNAV 5)		276°/ 095°	76.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 300	odd FL 450 / FL 310	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	BILLY	600111N 0083408W							
(RNAV 5)		269°/ 089°	28.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 300	odd FL 450 / FL 310	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	AKIVO	595752N 0093000W						Extremity of UN603. Intersection with UP60.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UN610 (RNP/RNAV)									
△	LONAM	535022N 0035633E							UIR Boundary. Extremity of UN610. Intersection with UL7.
(RNAV 5)		292°/ 109°	210.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between LONAM and abm RIKUD: Scottish Control (Prestwick) Freq: 121.325 (All Levels). Between abm RIKUD and NATEB: Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 124.500 (Below FL 255).
△	NATEB	550218N 0014154W							Intersection with UL602.
(RNAV 5)		325°/ 145°	61.3 nm		FL 460 / FL 245	10 nm	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).
△	LAMMA	555130N 0024603W							
(RNAV 5)		325°/ 145°	38.6 nm		FL 460 / FL 245	10 nm	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).
△	FINDO	562209N 0032749W							Intersection with UP58 and UP600.
(RNAV 5)		325°/ 145°	39.9 nm		FL 460 / FL 245	10 nm	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).
△	LAGAV	565335N 0041210W							
(RNAV 5)		325°/ 145°	36.6 nm		FL 460 / FL 245	10 nm	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).
△	RUGID	572209N 0045355W							Intersection with M83 and UP59.
(RNAV 5)		325°/ 144°	65.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W							Intersection with UL612, UN591, UN601 and UN614.
(RNAV 5)		331°/ 150°	131.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	BILLY	600111N 0083408W							
(RNAV 5)		330°/ 150°	43.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓	↑						
△	BARKU	603618N 0092436W							
(RNAV 5)		330°/ 150°	29.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Reykjavik ACC.
△	RATSU	610000N 0100000W							Shanwick Boundary. Extremity of UN610.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between LONAM and NATEB (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. Closure by NOTAM predicated on status of EG D323.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN614 (RNP/RNAV)									
△	STORNOWAY VOR/DME (STN)	581225.01N 0061058.97W						Extremity of UN614. Intersection with UL612, UN591 and UN610.	
(RNAV 5)		001°/ 181°	61.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	ADASI	591315N 0061731W							
(RNAV 5)		001°/ 181°	54.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	DOSUN	600703N 0062339W						Intersection with UP61. Extremity of UN614.	
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UN621 (RNP/RNAV)									
△	LELNA	495857N 0020623W						Westbound (southbound) route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		-186°	15.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	MARUK	501447N 0020420W						Intersection with UM195.	
(RNAV 5)		-199°	10.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	BEVEL	502454N 0015907W							
(RNAV 5)		-199°	16.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	KAPEX	504030N 0015100W						Intersection with UN63.	
(RNAV 5)		-230°	25.5 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 129.425 (All Levels).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W						Intersection with UL620.	
(RNAV 5)		-214°	24 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	GOGSI	511727N 0010002W						Extremity of UN621.	
Route Remarks:									
- If necessary, traffic will be radar vectored to remain 5 nm from eastern edge of EG D023 until 2000 ft above the notified level of Unusual Air Activity. - Due to Brest ACC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN859 (RNP/RNAV)									
△	SITET	500600N 0000000E							Eastbound (southbound) route only btn CPT and SITET. UIR Boundary. For continuation see AIP France.
(RNAV 5)		-/148°	53.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	GOODWOOD VOR/DME (GWC)	505118.78N 0004524.25W							
(RNAV 5)		-/156°	26.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between GWC and abm MID: London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295). Between abm MID and VAPID: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	VAPID	511514N 0010242W							
(RNAV 5)		-/156°	15.7 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COMPTON VOR/DME (CPT)	512929.66N 0011310.89W							Intersection with Y321.
(RNAV 5)		343°/ 163°	10 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	DIGUT	513901N 0011759W							
(RNAV 5)		343°/ 163°	7.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	KIDLI	514617N 0012141W							Intersection with UL151.
(RNAV 5)		343°/ 163°	36.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Manchester TMA depts that FPL a cruising level at FL 310 or above, will be required to achieve FL 310 level 5 nm before KIDLI. Between KIDLI and abm NEDEX: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between abm NEDEX and HON: London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	HONILEY VOR/DME (HON)	522124.04N 0013949.41W							Eastbound (southbound) route only btn SANBA and HON. Intersection with P155, UL10, UL15 and UL612.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
(RNAV 5)		-154°	44.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.390 (All Levels) for traffic via UL612 and UN859 after HON. Freq: 129.205 (All Levels) for traffic via P155, UL10 and UL15 after HON.
△	UTUXA	530030N 0021313W							
(RNAV 5)		-154°	8.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	SANBA	530822N 0022003W							Extremity of UN859.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN862 (RNP/RNAV)									
△	SKESO	494929N 0030203W							UIR Boundary. Intersection with UN90. For continuation see AIP France.
(RNAV 5)		334°/ 154°	11.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	SKERY	500000N 0031023W							
(RNAV 5)		334°/ 154°	26.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	BERRY HEAD VOR/DME (BHD)	502354.98N 0032937.46W							Southbound route only between WAL and BHD. Intersection with UL722, UN864 and UN26.
(RNAV 5)		-200°	57.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	LAMAT	511807N 0030103W							Intersection with UN90.
(RNAV 5)		-188°	23.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	ERNOK	514130N 0025644W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
(RNAV 5)		-188°	1.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	PERUP	514234N 0025632W							
(RNAV 5)		-184°	9.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	DOBEM	515211N 0025545W							
(RNAV 5)		-184°	4.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	RILES	515655N 0025522W							Intersection with UL180.
(RNAV 5)		-185°	10.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	AMRAL	520653N 0025433W							
(RNAV 5)		-185°	23.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	RETSI	523042N 0025233W							
(RNAV 5)		-180°	12.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	NENVO	524238N 0025315W							
(RNAV 5)		-180°	5.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	ROBVA	524804N 0025334W							
(RNAV 5)		-180°	5.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	KARNO	525340N 0025354W							Intersection with UT7.
(RNAV 5)		-185°	8.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	RISLA	530151N 0025312W							Intersection with UL15.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		-/185°	2.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	NOKIN	530436N 0025258W							
(RNAV 5)		-/156°	21.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							Extremity of UN862.
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation between NOKIN and BHD is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UN863 (RNP/RNAV)									
△	KOTEM	500000N 0010314W						Eastbound (northbound) route only. For continuation see AIP France.	
(RNAV 5)		006°/-	20.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.440 (All Levels).
△	PILIP	502003N 0010026W							
(RNAV 5)		006°/-	17.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.440 (All Levels).
△	SUSIX	503700N 0005803W							
(RNAV 5)		006°/-	12.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.440 (All Levels).
△	AVANT	504912N 0005618W						Extremity of UN863. Intersection with UL980.	
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. • The use of UN863 may be interrupted when MoD (Navy) requires the activation of Danger Areas EG D037 and/or D038 above ALT 19000 ft. Closures will be notified by NOTAM and CRAM. 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 UN863 will be notified to GAT by 'Brest Control' and t/c will be routed to GARMI and UN867. When UN867 is also unavailable traffic will be re-routed to ORIST and UY110. • Due to ATC operational requirements, the cruising level allocation between KOTEM and AVANT is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UN864 (RNP/RNAV)								
△	SALCO	494414N 0033146W						UIR Boundary. For continuation see AIP France.
(RNAV 5)		003°/ 184°	39.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	BERRY HEAD VOR/DME (BHD)	502354.98N 0032937.46W						Intersection with UN26, UL722 and UN862.
(RNAV 5)		008°/ 188°	10.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	DAWLY	503427N 0032750W						Intersection with UL149.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		008°/ 188°	5.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	TINAN	504000N 0032654W							
(RNAV 5)		008°/ 188°	8.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	TIVER	504833N 0032526W							
(RNAV 5)		008°/ 188°	2.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	ATWEL	505051N 0032502W							
(RNAV 5)		008°/ 188°	10.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	MULIT	510047N 0032319W							
(RNAV 5)		008°/ 188°	10.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	EXMOR	511043N 0032135W							Northbound route only btn EXMOR and WAL. Intersection with UM17.
(RNAV 5)		008°/-	26.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between EXMOR and overhead EGFF: London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305). Between overhead EGFF and NUMPO: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	NUMPO	513636N 0031701W							
(RNAV 5)		008°/-	7.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	BRECON VOR/DME (BCN)	514331.89N 0031546.92W							
(RNAV 5)		004°/-	3.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	DIKAS	514637N 0031533W							Intersection with UL18.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
(RNAV 5)		004°/-	1.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	NAVOV	514831N 0031525W							
(RNAV 5)		004°/-	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	GOGIG	515330N 0031502W							Intersection with UP17.
(RNAV 5)		004°/-	1.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	TOPRO	515442N 0031457W							
(RNAV 5)		004°/-	2.8 nm		FL 460 / FL 245	10 nm	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)		004°/-	10.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	UMOLO	520803N 0031357W							
(RNAV 5)		004°/-	25.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	NITON	523312N 0031201W							Intersection with UP17.
(RNAV 5)		004°/-	10 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	OKTEM	524310N 0031115W							
(RNAV 5)		004°/-	5.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	NILGI	524835N 0031050W							
(RNAV 5)		005°/-	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	MONTY	525334N 0031026W							
(RNAV 5)		004°/-	5.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	GODPA	525900N 0031001W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
(RNAV 5)		005°/-	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	REXAM	530400N 0030937W							
(RNAV 5)		005°/-	3.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	IVLOD	530746N 0030919W							
(RNAV 5)		005°/-	15.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							Intersection with UL10, UL151 and UN862.
(RNAV 5)		357°/ 177°	12.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	GUNTU	533537N 0030954W							
(RNAV 5)		357°/ 177°	8.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BILVO	534352N 0031109W							Southbound route only btn TLA and BILVO. Intersection with UP6.
(RNAV 5)		-177°	39.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between SUBUK and 5415N: Scottish Control (Prestwick) Freq: 135.530 (All Levels). Between 5415N and BILVO: 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).
△	SUBUK	542248N 0031711W							
(RNAV 5)		-177°	20.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes								
Significant Point Name		Significant Point Coordinates								
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks	
							IFR cruising levels max/min			
Δ	DEAN CROSS DME (DCS)	544318.88N 0032026.30W						↓	↑	Intersection with UL612.
(RNAV 5)		-182°	20.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).	
Δ	ASRUS	550321N 0032045W								
(RNAV 5)		-182°	17.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).	
Δ	UNURO	552111N 0032102W								
(RNAV 5)		-182°	8.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (All Levels).	
Δ	TALLA VOR/DME (TLA)	552956.92N 0032110.20W								Extremity of UN864.
Route Remarks:										
- This route to be flown on a limited basis only - Availability of UN864 btn DCS - WAL may be subject to MoD requirements at certain times - such requirements will normally be of short duration and will be announced by London Control (Swanwick) or Scottish Control (Prestwick) as appropriate. The alternative route will be 'as directed by ATC'. - Flts intending to join or leave UN864, south of BHD, must avoid Danger Areas EG D003 and EG D004 when they are active and must, therefore, FPL via BHD. Flts joining UN864 are to expect ATC to route them tactically via N862/UN862, under radar control, until they are above FL 245. Flts leaving UN864 are to expect ATC to vector flts into N862/UN862 before descent to levels below FL 245. - Due to ATC operational requirements, the cruising level allocation between SALCO and WAL and between TLA and DCS is inappropriate to the MAG Track.										

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UN867 (RNP/RNAV)								
Δ	GARM	500000N 0012250W						Eastbound (northbound) route only. UIR Boundary. For continuation see AIP France.
(RNAV 5)		004°/-	31.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).
Δ	KATHY	503114N 0012000W						Intersection with UL980.
(RNAV 5)		360°/-	8.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes								
Significant Point Name		Significant Point Coordinates								
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks	
							IFR cruising levels max/min			
△	ELDER	503948N 0012014W						↓	↑	Intersection with UM185.
(RNAV 5)		360°/-	17.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260			Class C. London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W								Extremity of UN867.
Route Remarks:										
• CDR Category One and Three (CDR 1 and 3) between GARMI and KATHY (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. • The use of UN867 may be interrupted when MoD (Navy) requires the activation of Danger Area EG D036 above ALT 19000 ft. Closures will be notified by NOTAM and CRAM. 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 UN867 will be notified to GAT by 'Brest Control' and t/c will be routed to ORIST and UY110. • Due to Brest ACC operational requirements, the cruising level allocation between GARMI and SAM is inappropriate to the MAG Track.										

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UP2 (RNP/RNAV)								
△	NIGIT	511847N 0011015W						Eastbound route only btn STU and NIGIT. Extremity of UP2. Intersection with UL18.
(RNAV 5)		-104°	15 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between 8 nm before NIGIT and NIGIT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305). Between BEDEK and 8 nm before NIGIT: London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 275); Freq: 134.750 (Below FL 275).
△	BEDEK	512215N 0013331W						
(RNAV 5)		-104°	19.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305 to FL 275); Freq: 134.750 (Below FL 275).
△	OKESI	512636N 0020342W						
(RNAV 5)		-104°	46.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265).
△	NUMPO	513636N 0031701W						Intersection with UL607.
(RNAV 5)		-111°	69.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Between 20 nm before NUMPO and NUMPO: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335 to FL 265); Freq: 134.750 (Below FL 265). Between STU and 20 nm before NUMPO: London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
△	STRUMBLE VOR/DME (STU)	515940.88N 0050224.69W							Intersection with UL9 and UN26.
(RNAV 5)		270°/ 089°	44.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between STU and the eastern boundary of the BANBA CTA (515729N 0060611W): London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335). Between the eastern boundary of the BANBA CTA (515729N 0060611W) and BANBA: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	BANBA	515710N 0061421W							UIR Boundary. Extremity of UP2.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP4 (RNP/RNAV)									
△	DIKAS	514637N 0031533W						Westbound route only. Extremity of UP4.	
(RNAV 5)		273°/-	123.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between DIKAS and the eastern boundary of the BANBA CTA (514716N 0060242W): London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 129.375 (Below FL 335). Between the eastern boundary of the BANBA CTA (514716N 0060242W) and EVRIN: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	EVRIN	514656N 0063348W						UIR Boundary. Extremity of UP4.	
Route Remarks:									
• EG D117 and EG D118 activity may affect the minimum overflying level.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UP6 (RNP/RNAV)								
△	MOGLI	521830N 0001609W						Westbound route only. Extremity of UP6.
(RNAV 5)		312°/-	39.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	LESTA	524427N 0010419W						Intersection with UN601.
(RNAV 5)		318°/-	28.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	TUMTI	530440N 0013615W						
(RNAV 5)		317°/-	13.4 nm		FL 460 / FL 245	10 nm	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).
△	RODOL	531417N 0015143W						Intersection with UL28.
(RNAV 5)		304°/-	37.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	KOLID	533426N 0024521W							Intersection with UL70.
(RNAV 5)		304°/-	18.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BILVO	534352N 0031109W							
(RNAV 5)		303°/-	12.3 nm		FL 460 / FL 245	10 nm	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).
△	TUPEM	535017N 0032855W							
(RNAV 5)		303°/-	14.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Scottish Control (Prestwick) Freq: 125.680 (FL 255 and above); Freq: 123.775 (Below FL 255).
△	REMSI	535737N 0034932W							DRA Entry Fix. Extremity of UP6.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP16 (RNP/RNAV)									
△	ANNET	493905N 0040005W						Northbound route only between ANNET and NOKIN. UIR Boundary. Extremity of UP16.	
(RNAV 5)		011°/-	46.8 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	BABAX	502511N 0034817W							
(RNAV 5)		008°/-	18.2 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	DEVOM	504318N 0034519W						Intersection with UL149 and UN26.	
(RNAV 5)		008°/-	36.5 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	KESUP	511932N 0033917W						Intersection with UM17.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		008°/-	25.1 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	UNBIG	514427N 0033502W							
(RNAV 5)		004°/-	29.1 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	IDOVO	521326N 0033304W							Intersection with UT7.
(RNAV 5)		004°/-	26.9 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	BERUL	524016N 0033113W							
(RNAV 5)		045°/-	18.3 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq: 133.600 (Below FL 335).
△	MONTY	525334N 0031026W							Intersection with UN864.
(RNAV 5)		045°/-	15.3 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	NOKIN	530436N 0025258W							Intersection with UN862 and UP17.
(RNAV 5)		022°/ 202°	23.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	ASMIM	532646N 0023911W							
(RNAV 5)		022°/ 202°	11.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	CROFT	533737N 0023220W							Intersection with UL612 and UY70.
(RNAV 5)		022°/ 202°	25.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	RIBEL	540058N 0021723W							Southbound route only btm CUTEL and RIBEL. Intersection with UN601.
(RNAV 5)		-/217°	10.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
								↓ ↑	Freq: 133.705 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BEGAM	540925N 0020715W							
(RNAV 5)		-192°	24.8 nm		FL 460 / FL 245	10 nm		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).
△	BINTI	543345N 0015945W							
(RNAV 5)		-192°	22.0 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	RAPUM	545518N 0015258W							
(RNAV 5)		-1224°	9.5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	NATEB	550218N 0014154W							Intersection with UP18.
(RNAV 5)		-1224°	34.4 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 126.925 (All Levels).
△	ROBEM	552733N 0010114W							
(RNAV 5)		-1250°	24.5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	SUSIS	553617N 0002102W							
(RNAV 5)		-1251°	21.8 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	BEVAM	554353N 0001503E							
(RNAV 5)		-1264°	72.5 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	CUTEL	555309N 0022228E							Extremity of UP16.
Route Remarks:									
• CDR Category One and Three (CDR 1 and 3) between ANNET and KESUP (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 1600 Fri to 0800 Mon Winter (Summer 1hr earlier). • CDR Category One and Three (CDR 1 and 3) between KESUP and NOKIN (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 1700 Fri to 0800 Mon (Winter), 1700 Fri to 0700 Mon (Summer) and from 1700 the day before a PH to 0700 the day after. CDR 2 and 3 at all other times. • Due to ATC operational requirements, the cruising level allocation between ANNET and BEGAM is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP17 (RNP/RNAV)									
△	NITON	523312N 0031201W							Northbound route only btn NITON and NOKIN. Extremity of UP17.
(RNAV 5)		022°/-	33.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 133.600 (All Levels).
△	NOKIN	530436N 0025258W							Intersection with UN862 and UP16.
(RNAV 5)		036°/ 216°	12.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	KUXEM	531511N 0024047W							
(RNAV 5)		036°/ 216°	15.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	BARTN	532814N 0022541W							Northbound route only btn BARTN and DIGBI.
(RNAV 5)		037°/-	20.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	POLE HILL VOR/DME (POL)	534437.56N 0020611.98W							Intersection with UN601 and UP18.
(RNAV 5)		017°/-	21.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).
△	IPSIR	540454N 0015657W							
(RNAV 5)		017°/-	5.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).
△	OBOXA	541036N 0015420W							
(RNAV 5)		017°/-	22.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		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).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
△	ARSAT	543206N 0014419W							
(RNAV 5)		017°/-	16.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 285 and above); Freq: 133.800 (Below FL 285).
△	TIPTA	544813N 0013641W							Intersection with UM82.
(RNAV 5)		041°/-	30.0 nm		FL 460 / FL 245	10 nm	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							Extremity of UP17. Intersection with P15.
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation between NITON and POL is inappropriate to the MAG Track.									



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP18 (RNP/RNAV)									
△	POLE HILL VOR/DME (POL)	534437.56N 0020611.98W							Extremity of UP18.
(RNAV 5)		012°/ 192°	21.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	IDKOL	540543N 0015945W							
(RNAV 5)		012°/ 192°	3.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	ABKAT	540853N 0015847W							
(RNAV 5)		012°/ 192°	4.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	GASKO	541329N 0015721W							Intersection with UY250.
(RNAV 5)		012°/ 192°	11.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	UVAVU	542500N 0015346W							
(RNAV 5)		012°/ 192°	8.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 285 and above); Freq: 133.800 (Below FL 285).
△	TILNI	543251N 0015118W							
(RNAV 5)		012°/ 192°	10.0 nm		FL 460 / FL 245	10 nm	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).
△	GIRLI	544241N 0014811W							
(RNAV 5)		012°/ 192°	20 nm		FL 460 / FL 245	10 nm	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 P15 and UL602.
(RNAV 5)		012°/ 192°	4.7 nm		FL 460 / FL 245	10 nm	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).
△	ELMUD	550656N 0014024W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		012°/ 192°	20.3 nm		FL 460 / FL 245	10 nm	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).
△	ALASO	552650N 0013354W							
(RNAV 5)		350°/ 170°	15.7 nm		FL 460 / FL 245	10 nm	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).
△	RITSI	554209N 0013925W							Intersection with UM982.
(RNAV 5)		350°/ 170°	12.9 nm		FL 460 / FL 245	10 nm	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).
△	MADAD	555447N 0014402W							Intersection with UP58.
(RNAV 5)		350°/ 170°	18.4 nm		FL 460 / FL 245	10 nm	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).
△	NEXUS	561243N 0015041W							Intersection with N96, UM90, and UP59.
(RNAV 5)		350°/ 170°	17.5 nm		FL 460 / FL 245	10 nm	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).
△	BALID	562949N 0015707W							
(RNAV 5)		350°/ 170°	10.0 nm		FL 460 / FL 245	10 nm	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).
△	UPGET	563935N 0020050W							
(RNAV 5)		350°/ 170°	10.0 nm		FL 460 / FL 245	10 nm	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).
△	OKPAL	564921N 0020435W							
(RNAV 5)		350°/ 170°	6.3 nm		FL 460 / FL 245	10 nm	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).
△	RATPU	565532N 0020659W							
(RNAV 5)		350°/ 170°	23.7 nm		FL 460 / FL 245	10 nm	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).
△	ABERDEEN VOR/DME (ADN)	571837.62N 0021601.95W							Extremity of UP18.
Route Remarks:									
- Btn POL and ADN only avbl for EGPD arrivals when ATSOCAS below FL 245 is avbl on request from Swanwick Military or during hours of availability of P18. - Due to operational requirements, cruising levels are inappropriate to the MAG TR btn POL and ALASO.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP24 (RNP/RNAV)									
△	NEVIS	564143N 0043241W						Extremity of UP24. Intersection with UN601.	
(RNAV 5)		314°/ 134°	32.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	ORSUM	570307N 0051741W							
(RNAV 5)		314°/ 133°	97.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	KUVOX	580459N 0073624W						DRA Entry, Exit and Intermediate Fix.	
(RNAV 5)		313°/ 133°	75.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 126.925 (FL 255 and above); Freq: 127.275 (Below FL 255).
△	NINEX	585120N 0093000W						Extremity of UP24. Intersection with UP59.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP44 (RNP/RNAV)									
△	ARTOV	515419N 0012533E							Eastbound route only. Extremity of UP44.
(RNAV 5)		061°/-	10.8 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	RATLO	515929N 0014055E							
(RNAV 5)		061°/-	11.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	PIXAM	520447N 0015650E							
(RNAV 5)		062°/-	29.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	SOMVA	521826N 0023838E							UIR Boundary. Extremity of UP44. Intersection with P155.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UP49 (RNP/RNAV)									
△	XAMAN	514705N 0021327E						Westbound (northbound) route only. UIR Boundary. Extremity of UP49.	
(RNAV 5)		298°/-	14.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	IDESI	515352N 0015308E						Extremity of UP49. Intersection with UM20 and UY6.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UP58 (RNP/RNAV)									
△	PELET	543912N 0032552E						Extremity of UP58. Intersection with UL7 and UL74.	
(RNAV 5)		295°/ 115°	20.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	RODSI	544756N 0025335E							
(RNAV 5)		295°/ 113°	99.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
△	GIVEM	552754N 0001453E							
(RNAV 5)		293°/ 113°	22.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	SUSIS	553617N 0002102W							
(RNAV 5)		293°/ 113°	50.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	MADAD	555447N 0014402W						Intersection with L983.	
(RNAV 5)		298°/ 117°	64.2 nm		FL 460 / FL 245	10 nm	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).
△	FINDO	562209N 0032749W						DRA Entry and Exit Fix. Extremity of UP58.	



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP59 (RNP/RNAV)									
Δ	ASKAM	545747N 0031350E							Extremity of UP59. Intersection with UL7.
(RNAV 5)		295°/ 114°	90.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 121.325 (All Levels).
Δ	NAVEL	553513N 0005031E							
(RNAV 5)		294°/ 114°	21.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
Δ	BEVAM	554353N 0001503E							
(RNAV 5)		294°/ 114°	29.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
Δ	GOMOT	555510N 0003239W							Intersection with L983.
(RNAV 5)		294°/ 113°	47.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
Δ	NEXUS	561243N 0015041W							Intersection with N96 and UM90.
(RNAV 5)		308°/ 127°	122.4 nm		FL 460 / FL 245	10 nm	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).
Δ	RUGID	572209N 0045355W							Intersection with UN610.
(RNAV 5)		307°/ 125°	171.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between RUGID and 0060000W: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 127.275 (Below FL 255). Between 0060000W and NINEX: Scottish Control (Prestwick) Freq: 132.730 (FL 255 and above); Freq: 127.275 (Below FL 255).
Δ	NINEX	585120N 0093000W							DRA Entry Fix. NTFSR Entry Fix. Intersection with UN591, UN593 and UP24.
(RNAV 5)		305°/ 125°	17.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 132.730 (FL 255 and above); Freq: 127.275 (Below FL 255).
Δ	BALIX	590000N 0100000W							Shanwick Boundary. Extremity of UP59.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓						↑	
UP60 (RNP/RNAV)									
△	VAXIT	563215N 0050000E							Extremity of UP60.
(RNAV 5)		302°/ 121°	40.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Copenhagen ACC.
△	ARTEX	565341N 0035738E							
(RNAV 5)		301°/ 121°	15.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	LAMRO	570151N 0033309E							
(RNAV 5)		301°/ 120°	110.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	FORTY	575700N 0003545E							Intersection with UL7, UM86, UN583 and UP600.
(RNAV 5)		305°/ 123°	168 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	BAMRA	592600N 0035710W							Intersection with UN584, UN593 and UP61.
(RNAV 5)		286°/ 104°	171.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	AKIVO	595752N 0093000W							Intersection with UL619, UM86, UN601 and UN603.
(RNAV 5)		284°/ 104°	15.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	ATSIX	600000N 0100000W							Shanwick boundary. Extremity of UP60.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UP61 (RNP/RNAV)									
△	BAMRA	592600N 0035710W							Extremity of UP61. Intersection with UP60.
(RNAV 5)		303°/ 119°	71.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	KESEG	600058N 0060056W							Intersection with UN603.
(RNAV 5)		303°/ 121°	12.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	DOSUN	600703N 0062339W							Intersection with UN614.
(RNAV 5)		303°/ 122°	42.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	MODGO	602643N 0073955W							Intersection with UL612.
(RNAV 5)		302°/ 122°	36.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	DEVBI	604254N 0084610W							
(RNAV 5)		302°/ 121°	40.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Reykjavik ACC.
△	RATSU	610000N 0100000W							Shanwick Boundary. Extremity of UP61.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP69 (RNP/RNAV)									
△	LULOX	502200N 0080000W							UIR Boundary. Extremity of UP69.
(RNAV 5)		087°/ 269°	174.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	DAWLY	503427N 0032750W							Extremity of UP69. Intersection with UL620 and UY91.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between LULOX and DAWLY (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP70 (RNP/RNAV)									
△	DAWLY	503427N 0032750W							Extremity of UP70. Intersection with UL620 and UY91.
(RNAV 5)		275°/ 093°	173.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	ARKIL	503928N 0080000W							UIR Boundary. Extremity of UP70.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DAWLY and ARKIL (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UP71 (RNP/RNAV)									
△	DAWLY	503427N 0032750W							Extremity of UP71. Intersection with UL620 and UY91.
(RNAV 5)		282°/ 100°	174.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LESLU	510000N 0080000W							UIR Boundary. Extremity of UP71.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DAWLY and LESLU (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UP72 (RNP/RNAV)									
△	DAWLY	503427N 0032750W							Extremity of UP72. Intersection with UL620 and UY91.
(RNAV 5)		288°/ 106°	160.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LEDGO	511424N 0073405W							UIR Boundary. Extremity of UP72.
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DAWLY and LEDGO (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP73 (RNP/RNAV)									
△	DAWLY	503427N 0032750W						Extremity of UP73. Intersection with UL620 and UY91.	
(RNAV 5)		295°/ 114°	148.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between DAWLY and the eastern boundary of the BANBA CTA (512542.42N 0064745.90W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (512542.42N 0064745.90W) and MOPAT: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	MOPAT	512955N 0070537W						UIR Boundary. Extremity of UP73.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between DAWLY and MOPAT (ENR 1.1, paragraph 1.1.7 refers). Availability subject to SWMDA activity. CDR 1 and 3 Mon-Thu 1700-0800 and from 1700 on Friday, or the day preceding a PH, to 0800 on Monday, or the day following a PH, Winter (Summer 1hr earlier).									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP87 (RNP/RNAV)									
△	BOLRO	500000N 0014129W						Northbound (eastbound) route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		004°/-	15.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 134.440 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	DOMUT	501543N 0014009W						Extremity of UP87. Intersection with UL980.	
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. - The use of UP87 may be interrupted when MoD (Navy) requires the activation of Danger Area EG D036 above ALT 19000 ft. Closures will be notified by NOTAM and CRAM. 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 UP87 will be notified to GAT by 'Brest Control' and t/c will be routed to ORIST and UY110. - Due to ATC operational requirements, the cruising level allocation is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP137 (RNP/RNAV)									
△	SONDO	520506N 0014842E							Eastbound route only. Extremity of UP137. Intersection with UM183.
(RNAV 5)		-112°	41.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 133.940 (All Levels).
△	UMBAG	522052N 0004657E							Extremity of UP137.



ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UP600 (RNP/RNAV)									
△	TURNBERRY VOR/DME (TRN)	551848.28N 0044701.89W							DRA Entry and Exit Fix. Extremity of UP600. Intersection with P600 and UM89.
(RNAV 5)		022°/ 202°	35.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Part of UP600 lies within the Hebrides UTA. Scottish Control (Prestwick) Freq: 135.530 (FL 260 and above); Freq: 124.825 (FL 250).
△	GLASGOW VOR/DME (GOW)	555213.81N 0042644.61W							
(RNAV 5)		050°/ 231°	44.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Part of UP600 lies within the Hebrides UTA. Scottish Control (Prestwick) Freq: 135.530 (FL 260 and above); Freq: 124.825 (FL 250).
△	FINDO	562209N 0032749W							Intersection with UN610.
(RNAV 5)		038°/ 218°	5.4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 260 and above); Freq: 124.825 (FL 250).
△	PERTH VOR (PTH)	562632.63N 0032206.96W							
(RNAV 5)		037°/ 217°	63.6 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 134.775 (All Levels).
△	ABERDEEN VOR/DME (ADN)	571837.62N 0021601.95W							Intersection with UN581.
(RNAV 5)		068°/ 249°	35.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	LESNI	573233N 0011622W							
(RNAV 5)		069°/ 249°	24.9 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	BUDON	574207N 0003343W							
(RNAV 5)		069°/ 249°	30.0 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	OVDAN	575321N 0001818E							
(RNAV 5)		069°/ 250°	10 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
△	FORTY	575700N 0003545E							Intersection with UL7, UM86, UN583 and UZ105.
(RNAV 5)		070°/ 251°	75.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	KLONN	582324N 0024944E							UIR Boundary. For continuation see AIP Norway.

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
UP612 (RNP/RNAV)									
△	PEPIN	595931N 0000054E							UIR Boundary. Continues as P612 (see AIP Norway).
(RNAV 5)		262°/ 082°	39.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 134.850 (Below FL 255).
△	SUMBURGH VOR/DME (SUM)	595243.52N 0011711.52W							Intersection with UL7, UM125, UN584 and UN603.
(RNAV 5)		290°/ 108°	205.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. Between SUM and 00500W: Scottish Control (Prestwick) Freq: 129.225 (FL 255 and above); Freq: 134.850 (Below FL 255). Between 00500W and BESGA: Scottish Control (Prestwick) Freq: 133.680 (FL 255 and above); Freq: 128.675 (Below FL 255).
△	BESGA	604723N 0075446W							Intersection with UL612.
(RNAV 5)		288°/ 107°	62.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Reykjavik ACC.
△	RATSU	610000N 0100000W							Shanwick Boundary. Extremity of UP612.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UP620 (RNP/RNAV)									
△	CAMBO	491730N 0055135W						UIR Boundary. For continuation see AIP France.	
(RNAV 5)		012°/ 192°	8.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	SUPAP	492602N 0054922W						Intersection with UN502.	
(RNAV 5)		012°/ 192°	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	TALIG	493059N 0054804W							
(RNAV 5)		012°/ 192°	37.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W						Southbound route only between BANBA and LND. Intersection with UL620, UM142 and UN160.	
(RNAV 5)		-171°	49.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	PAVLO	505605N 0055344W							
(RNAV 5)		-171°	29.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	DOKEK	512518N 0060329W						Intersection with UN54.	
(RNAV 5)		-171°	32.6 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. Between DOKEK and the eastern boundary of the BANBA CTA (513816N 0060752W): London Control (Swanwick) Freq: 132.950 (All Levels). Between the eastern boundary of the BANBA CTA (513816N 0060752W) and BANBA: ATS delegated to Shannon ACC. Shannon ACC Freq: 132.150 (All Levels).
△	BANBA	515710N 0061421W						UIR Boundary. Extremity of UP620	
Route Remarks:									
- CDR Category One and Three (CDR 1 and 3) between BANBA and LND (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 H24. Availability subject to SWMDA activity. - The portion south of LND may not be avbl at certain times due to military activity in the France UIR, details of which will be published. - Due to ATC operational requirements, the cruising level allocation between CAMBO and LND is inappropriate to the MAG Track.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UQ3 (RNP/RNAV)									
△	OCKHAM VOR/DME (OCK)	511818.17N 0002649.86W						Northbound route only. Extremity of UQ3.	
(RNAV 5)		003°/-	30.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	HEMEL	514820N 0002510W						Extremity of UQ3. Intersection with UT420.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UQ4 (RNP/RNAV)									
△	TRENT VOR/DME (TNT)	530314.23N 0014011.89W						Westbound route only btn TNT and VABKA and only available for traffic departing EGNX. Extremity of UQ4.	
(RNAV 5)		293°/-	41.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	VABKA	531808N 0024410W						Eastbound route only btn GIGTO and VABKA. Intersection with UL8.	
(RNAV 5)		-112°	15.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W							
(RNAV 5)		-115°	37.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	GIGTO	533801N 0040551W						Extremity of UQ4.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UQ41 (RNP/RNAV)									
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W							Extremity of UQ41. Intersection with UL620.
(RNAV 5)		016°/ 196°	11 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	ETRID	510756N 0011615W							
(RNAV 5)		016°/ 196°	4 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 129.425 (Below FL 305).
△	PEPIS	511148N 0011437W							
(RNAV 5)		016°/ 196°	10.4 nm		FL 460 / FL 245	10 nm	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).
△	TABEN	512149N 0011022W							
(RNAV 5)		016°/ 196°	7.2 nm		FL 460 / FL 245	10 nm	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).
△	NORRY	512847N 0010724W							
(RNAV 5)		016°/ 196°	8.5 nm		FL 460 / FL 245	10 nm	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).
△	COWLY	513658N 0010354W							
(RNAV 5)		016°/ 196°	14.7 nm		FL 460 / FL 245	10 nm	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).
△	WESTCOTT NDB (WCO)	515110.51N 0005744.67W							Extremity of UQ41.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UQ70 (RNP/RNAV)									
△	VABIK	511447N 0020000E							Eastbound route only. UIR Boundary. Extremity of UQ70.
(RNAV 5)		-/094°	19.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 315 and above); Freq: 134.900 (Below FL 315).
△	MOKBU	511610N 0012914E							
(RNAV 5)		-/094°	16.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	ITVIP	511714N 0010312E							Intersection with UL10.
(RNAV 5)		-/093°	17.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	DETLING VOR/DME (DET)	511814.41N 0003550.19E							
(RNAV 5)		-/095°	21.2 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E							Intersection with UL9 and UL15.
(RNAV 5)		-/113°	38.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	BENSU	513444N 0005508W							
(RNAV 5)		-/113°	5.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COWLY	513658N 0010354W							Extremity of UQ70.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UT7 (RNP/RNAV)									
△	ADRUD	491014N 0062655W						UIR Boundary. For continuation see AIP France.	
(RNAV 5)		031°/ 211°	19.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	PEMAK	492656N 0061305W							
(RNAV 5)		031°/ 211°	5.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. ATS delegated to Brest ACC. Brest ACC Freq: 133.005 (FL 335 and above); Freq: 129.500 (Below FL 335).
△	AMPOP	493148N 0060903W						Intersection with UN58.	
(RNAV 5)		031°/ 211°	17.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	MABUG	494705N 0055612W						Intersection with UN12 and UN34.	
(RNAV 5)		031°/ 211°	24.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	LANDS END VOR/DME (LND)	500810.62N 0053812.96W						Intersection with UL620 and UN18.	
(RNAV 5)		034°/ 214°	97.9 nm		FL 460 / FL 295	10 nm	even FL 430 / FL 300	odd FL 450 / FL 310	Class C. London Control (Swanwick) Freq: 132.950 (All Levels).
△	ASRAX	513117N 0041643W						Intersection with UL180.	
(RNAV 5)		034°/ 215°	50.1 nm		FL 460 / FL 295	10 nm	even FL 430 / FL 300	odd FL 450 / FL 310	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq 129.375 (Below FL 335).
△	IDOVO	521326N 0033304W						Intersection with UP16.	
(RNAV 5)		035°/ 215°	23.6 nm		FL 460 / FL 275	10 nm	even FL 430 / FL 280	odd FL 450 / FL 290	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq 133.600 (Below FL 335).
△	NITON	523312N 0031201W						Westbound (southbound) route only btn KARNO and NITON. Intersection with UN864 and UP17.	
(RNAV 5)		-/210°	23.3 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 135.255 (FL 335 and above); Freq 133.600 (Below FL 335).
△	KARNO	525340N 0025354W						Extremity of UT7.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) between NITON and LND (ENR 1.1, paragraph 1.1.7 refers). Mon to Thurs 1800-0800; Fri 1800 to Mon 0800 and from 1800 the day before a PH to 0800 the day after. (Summer 1 hr earlier).									
Availability subject to SWMDA activity.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)	Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
						↓	↑	
- The portion south of LND may not be avbl at certain times due to military activity in the France UIR, details of which will be published. - Due to ATC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.								

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UT29 (RNP/RNAV)									
△	LAMIX	531829N 0004056W						Eastbound route only. Extremity of UT29.	
(RNAV 5)		066°/-	13.1 nm		FL 460 / FL 245	10 nm	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).
△	VEGUS	532401N 0002111W							
(RNAV 5)		066°/-	17.7 nm		FL 460 / FL 245	10 nm	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						Extremity of UT29. Intersection with UL975.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UT71 (RNP/RNAV)									
△	VAPID	511514N 0010242W							Eastbound route only. Extremity of UT71. Intersection with UN859.
(RNAV 5)		-179°	5.8 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	TEVSI	512101N 0010301W							
(RNAV 5)		-179°	16.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 134.460 (FL 305 and above); Freq: 132.165 (Below FL 305).
△	COWLY	513658N 0010354W							Extremity of UT71.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UT256 (RNP/RNAV)								
△	DEAN CROSS DME (DCS)	544318.88N 0032026.30W						Eastbound route only. Extremity of UT256. Intersection with UL612, UN57 and UN864.
(RNAV 5)		-136°	19.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	RIPNO	545632N 0034415W						
(RNAV 5)		-136°	17.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	OSMEG	550826N 0040603W						
(RNAV 5)		-136°	3.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	NEW GALLOWAY NDB (NGY)	551038.52N 0041007.02W						
(RNAV 5)		-144°	32.3 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. Scottish Control (Prestwick) Freq: 135.530 (FL 255 and above); Freq: 124.825 (Below FL 255).
△	NORBO	553545N 0044543W						Extremity of UT256.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UT420 (RNP/RNAV)									
△	ALESO	503432N 0011332E						Northbound route only. UIR Boundary.	
(RNAV 5)		315°/-	24.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.425 (All Levels).
△	ROTNO	505126N 0004641E							
(RNAV 5)		315°/-	9.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.425 (All Levels).
△	ETVAX	505807N 0003556E							
(RNAV 5)		315°/-	8.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 128.425 (Below FL 305).
△	TIGER	510402N 0002622E							
(RNAV 5)		316°/-	22 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between TIGER and 10 nm before BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 128.425 (Below FL 255). Between 10 nm before BIG and BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E							
(RNAV 5)		330°/-	33.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
△	HEMEL	514820N 0002510W							
(RNAV 5)		330°/-	9.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between HEMEL and 3 nm north of HEMEL: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305). Between 3 nm north of HEMEL and BUZAD: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 127.880 (Below FL 305 to FL 295); Freq: 127.105 (Below FL 295).
△	BUZAD	515632N 0003308W							
(RNAV 5)		330°/-	21.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	WELIN	521450N 0005108W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
(RNAV 5)		330°/-	16.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	AKUPA	522912N 0010528W						Intersection with UY250.
(RNAV 5)		329°/-	5.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	TIMPO	523332N 0010950W						
(RNAV 5)		329°/-	10.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	ELVOS	524201N 0011825W						
(RNAV 5)		329°/-	25.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.880 (FL 295 and above); Freq: 127.105 (Below FL 295).
△	TRENT VOR/DME (TNT)	530314.23N 0014011.89W						Extremity of UT420. Intersection with UL28.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UT421 (RNP/RNAV)									
Δ	KUNAV	503054N 0010356E						Northbound route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		322°/-	32.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between KUNAV and 10 nm be- fore NIVKO: London Control (Swanwick) Freq: 128.425 (All Levels). Between 10 nm before NIVKO and NIVKO: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 128.425 (Below FL 305).
Δ	NIVKO	505606N 0003228E							
(RNAV 5)		322°/-	10.5 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between NIVKO and 5 nm before BISRU: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 128.425 (Below FL 305). Between 5 nm before BISRU and BISRU: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 128.425 (Below FL 255).
Δ	BISRU	510418N 0002203E							
(RNAV 5)		322°/-	20 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between BISRU and 10 nm before BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 128.425 (Below FL 255). Between 10 nm before BIG and BIG: London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305).
Δ	BIGGIN VOR/DME (BIG)	511951.15N 0000205.32E						Extremity of UT421. Intersection with UL9 and UT420.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY4 (RNP/RNAV)									
△	ODROB	513915N 0015445E						Westbound (southbound) route only. Intersection with UY76. Extremity of UY4.	
(RNAV 5)		-206°	30.2 nm		FL 460 / FL 245	10 nm		even FL 430 / FL 260	Class C. Between 15 nm south of SONOG and ODROB: London Control (Swanwick) Freq: 128.160 (All Levels). Between SONOG and 15 nm south of SONOG: London Control (Swanwick) Freq: 133.940 (All Levels).
△	SONOG	520620N 0021610E						Extremity of UY4.	

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY6 (RNP/RNAV)									
△	SUMUM	513814N 0020628E						Westbound (northbound) route only. UIR Boundary. Extremity of UY6.	
(RNAV 5)		332°/-	2.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	TOSVA	514037N 0020426E							
(RNAV 5)		332°/-	15 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	IDESI	515352N 0015308E						Intersection with UM20.	
(RNAV 5)		332°/-	29.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between IDESI and 10 nm north of IDESI: London Control (Swanwick) Freq: 128.160 (All Levels). Between 10 nm north of IDESI and BANEM: London Control (Swanwick) Freq: 133.940 (All Levels).
△	BANEM	522008N 0013019E						Extremity of UY6.	

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UY8 (RNP/RNAV)									
△	KUNAV	503054N 0010356E						Westbound route only btn KUNAV and GWC. UIR Boundary. Extremity of UY8.	
(RNAV 5)		279°/-	12.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 128.425 (All Levels).
△	BANVA	503242N 0004512E						Intersection with UM733.	
(RNAV 5)		279°/-	15.6 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 135.050 (Below FL 305).
△	WAFFU	503457N 0002059E							
(RNAV 5)		292°/-	45.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 135.050 (Below FL 305).
△	GOODWOOD VOR/DME (GWC)	505118.78N 0004524.25W						Intersection with UN859.	
(RNAV 5)		286°/ 106°	23.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 305 and above); Freq: 134.440 (Below FL 305).
△	SOUTHAMPTON VOR/DME (SAM)	505718.90N 0012042.20W						Extremity of UY8.	
Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UY47 (RNP/RNAV)									
△	DRAKE	501234N 0000434W						Southbound route only. Extremity of UY47. Intersection with UL151.	
(RNAV 5)		-193°	14.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
△	BENBO	502705N 0000037E							Intersection with UL612.
(RNAV 5)		-193°	19.1 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.840 (FL 295 and above); Freq: 135.050 (Below FL 295).
△	SEAFORD VOR/DME (SFD)	504538.49N 0000718.89E							Extremity of UY47.
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UY53 (RNP/RNAV)								
△	NUGRA	530146N 0021814W						Eastbound route only btm EKLAD and NUGRA. Extremity of UY53.
(RNAV 5)		-126°	11.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	NANTI	530815N 0023401W						
(RNAV 5)		-129°	3.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	MOGTA	531008N 0023810W						
(RNAV 5)		-129°	8.5 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	EKLAD	531514N 0024929W						
(RNAV 5)		309°/ 128°	13.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260 odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	WALLASEY VOR/DME (WAL)	532330.97N 0030804.06W						Extremity of UY53. Intersection with UL10.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓			↑				
UY70 (RNP/RNAV)									
△	RAVLO	525501N 0030854E						Westbound route only. UIR Boundary. For continuation see AIP Netherlands.	
(RNAV 5)		282°/-	7.2 nm		FL 460 / FL 245	10 nm	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)		282°/-	12.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	BEKMO	525910N 0023710E							
(RNAV 5)		282°/-	4.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	SONOL	530005N 0023000E							
(RNAV 5)		282°/-	15 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	BODSO	530308N 0020541E							
(RNAV 5)		281°/-	55.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 126.780 (FL 335 and above); Freq: 128.125 (Below FL 335).
△	SUPEL	531340N 0003528E							
(RNAV 5)		281°/-	20.5 nm		FL 460 / FL 245	10 nm	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).
△	OTBED	531717N 0000155E						Intersection with UL60.	
(RNAV 5)		297°/-	15.4 nm		FL 460 / FL 245	10 nm	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).
△	VEGUS	532401N 0002111W							
(RNAV 5)		297°/-	9.0 nm		FL 460 / FL 245	10 nm	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).
△	SIVBU	532755N 0003444W							

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		296°/-	8.4 nm		FL 460 / FL 245	10 nm	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).
△	GIPLO	533131N 0004723W							
(RNAV 5)		296°/-	11.6 nm		FL 460 / FL 245	10 nm	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).
△	GOLES	533629N 0010500W							Intersection with UL975.
(RNAV 5)		284°/-	10.1 nm		FL 460 / FL 245	10 nm	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).
△	BATLI	533845N 0012137W							Intersection with UY250.
(RNAV 5)		284°/-	27.1 nm		FL 460 / FL 245	10 nm	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).
△	POLE HILL VOR/DME (POL)	534437.56N 0020611.98W							Intersection with UN601.
(RNAV 5)		247°/-	17.1 nm		FL 460 / FL 245	10 nm	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).
△	CROFT	533737N 0023220W							Intersection with UP16.
(RNAV 5)		249°/-	8.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	KOLID	533426N 0024521W							Extremity of UY70. Intersection with UL70.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UY76 (RNP/RNAV)								
△	DETUNG VOR/DME (DET)	511814.41N 0003550.19E						Westbound (southbound) route only. Extremity of UY76.
(RNAV 5)		-/235°	15.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 132.605 (Below FL 305 to FL 255); Freq: 134.900 (Below FL 255).
△	TANET	512658N 0005532E						
(RNAV 5)		-/235°	9.7 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	KOPUL	513232N 0010814E						
(RNAV 5)		-/261°	18.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	ERING	513526N 0013643E						
(RNAV 5)		-/251°	11.9 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	ODROB	513915N 0015445E						
(RNAV 5)		-/251°	9.8 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	Class C. London Control (Swanwick) Freq: 128.160 (All Levels).
△	RIMBU	514222N 0020943E						UIR Boundary. For continuation see AIP Netherlands.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY91 (RNP/RNAV)									
△	BIGNO	500000N 0024930W						Southbound route only. Extremity of UY91.	
(RNAV 5)		-/154°	29.4 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	NOTRO	502612N 0031021W							
(RNAV 5)		-/128°	13.9 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 128.815 (FL 305 and above); Freq: 126.075 (Below FL 305).
△	DAWLY	503427N 0032750W						Extremity of UY91.	
Route Remarks:									
CDR Category One and Three (CDR 1 and 3) (ENR 1.1, paragraph 1.1.7 refers). CDR 1 and 3 1600 Fri to 0745 Mon Winter (Summer 1hr earlier).									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY110 (RNP/RNAV)									
△	ORIST	500000N 0015042W						Northbound route only. UIR Boundary. For continuation see AIP France.	
(RNAV 5)		006°/-	8.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 129.425 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	VEXEN	500822N 0014934W						Intersection with UL980.	
(RNAV 5)		006°/-	9.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 129.425 (FL 345 and above); Freq: 127.825 (Below FL 345).
△	ASPEN	501734N 0014820W						Extremity of UY110.	
Route Remarks:									
• Due to Brest ACC operational requirements, the cruising level allocation for the entire route is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes						
Significant Point Name		Significant Point Coordinates						
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min	Controlling Unit/ Airspace Class/ Remarks
							↓ ↑	
UY124 (RNP/RNAV)								
△	MOGTA	531008N 0023810W						Eastbound route only. Extremity of UY124. Intersection with UY53.
(RNAV 5)		-/096°	20.1 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	AMPIT	531139N 0031133W						Intersection with UL15.
(RNAV 5)		-/096°	15.9 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	DOLOP	531251N 0033751W						
(RNAV 5)		-/096°	12.9 nm		FL 460 / FL 245	12 nm	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	BAGIT	531345N 0035918W						

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
(RNAV 5)		-/096°	13.2 nm		FL 460 / FL 245	12 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	PETUK	531436N 0042114W							
(RNAV 5)		-/096°	13.9 nm		FL 460 / FL 245	12 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 133.050 (Below FL 285).
△	LUTIP	531522N 0044416W							
(RNAV 5)		-/096°	15.9 nm		FL 460 / FL 245	12 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	LOMVO	531616N 0051046W							
(RNAV 5)		-/095°	11.6 nm		FL 460 / FL 245	12 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above); Freq: 135.580 (Below FL 335 to FL 285). Scottish Control (Prestwick) Freq: 118.780 (Below FL 285).
△	DEXEN	531649N 0053000W							Extremity of UY124. FIR Boundary.
Route Remarks:									
• CDR Category One, Two and Three (CDR 1, 2 and 3) (ENR 1.1, paragraph 1.1.7 refers). (i) FL 310 and above: CDR 1 H24. (ii) FL 300 and below: CDR 1 Mon-Thu 1800-0800 Winter (Summer 1 hr earlier) and from 1700 (Winter and Summer) on Friday or the day preceding a PH to 0800 (Winter), 0700 (Summer) on Monday or the day following a PH. CDR 2 Mon-Thu 0800-1800, Fri 0800-1700 (Winter); Mon-Fri 0700-1700 (Summer). The route may be closed tactically with 2 hrs notice in which case routings will be via LIFFY UL975. • Between DEXEN and AMPIT UY124 is 12 nm wide with 7 nm north of the CL and 5 nm south of the CL.									

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series IFR cruising levels max/min		Controlling Unit/ Airspace Class/ Remarks
							↓	↑	
UY250 (RNP/RNAV)									
△	DAVENTRY VOR/DME (DTY)	521048.51N 0010649.64W							Northbound route only btn DTY and MAMUL. Extremity of UY250.
(RNAV 5)		004°/-	18.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 285 and above); Freq: 127.105 (Below FL 285).
△	AKUPA	522912N 0010528W							Intersection with UT420.
(RNAV 5)		004°/-	15.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. London Control (Swanwick) Freq: 127.880 (FL 285 and above); Freq: 127.105 (Below FL 285).
△	LESTA	524427N 0010419W							Intersection with UN601.
(RNAV 5)		351°/-	41.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260		Class C. Between LESTA and 15 nm from MAMUL: London Control (Swanwick) Freq: 127.880 (FL 285 and above); Freq: 127.105 (Below FL 285). Between 15 nm from MAMUL and MAMUL: 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).
△	MAMUL	532505N 0011648W							Intersection with UL603.
(RNAV 5)		357°/ 177°	10.2 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	UPTON	533513N 0011803W							
(RNAV 5)		330°/ 150°	4.1 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	BATLI	533845N 0012137W							
(RNAV 5)		330°/ 150°	5.0 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	RIMTO	534303N 0012559W							
(RNAV 5)		330°/ 150°	32.3 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 132.860 (FL 335 and above);

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	Freq: 133.705 (Below FL 335 to FL 285); Scottish Control (Prestwick) Freq: 133.800 (Below FL 285).
△	OBOXA	541036N 0015420W							Intersection with UP17.
(RNAV 5)		330°/ 150°	3.4 nm		FL 460 / FL 245	10 nm	even FL 430 / FL 260	odd FL 450 / FL 250	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).
△	GASKO	541329N 0015721W							Extremity of UY250. Intersection with UP18.
Route Remarks:									
• Due to ATC operational requirements, the cruising level allocation between DTY and LESTA is inappropriate to the MAG Track.									

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY311 (RNP/RNAV)									
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E							Eastbound route only. Extremity of UY311. Intersection with UL9.
(RNAV 5)		-/090°	33.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	ODVIK	510957N 0002909E							Extremity of UY311.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓/↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
							↓	↑	
UY312 (RNP/RNAV)									
△	DOVER VOR/DME (DVR)	510945.44N 0012132.72E							Eastbound route only. Extremity of UY312. Intersection with UL9.
(RNAV 5)		-/097°	33.0 nm		FL 460 / FL 245	10 nm		odd FL 450 / FL 250	Class C. London Control (Swanwick) Freq: 127.430 (FL 305 and above); Freq: 134.900 (Below FL 305).
△	ADMAG	511402N 0002934E							Extremity of UY312.

ENR 3.2 UPPER ATS ROUTES (continued)

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UZ105 (RNP/RNAV)									
△	FORTY	575700N 0003545E							Extremity of UZ105. Intersection with UL7, UN583 and UP600.
(RNAV 5)		045°/ 225°	70.7 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	RIGVU	584736N 0020918E							UIR Boundary. Continues as Z105 (see AIP Norway).

Route Designator/ (RNP/RNAV Type)		Route Usage Notes							
Significant Point Name		Significant Point Coordinates							
(RNP/RNAV Type)		Track MAG ↓↑	Dist	COP	Upper limit/ lower limit	Lateral limits	FL series		Controlling Unit/ Airspace Class/ Remarks
							IFR cruising levels max/min		
		↓					↑		
UZ107 (RNP/RNAV)									
△	ABERDEEN VOR/DME (ADN)	571837.62N 0021601.95W							Extremity of UZ107. Intersection with UN581, UN591 and UP600.
(RNAV 5)		051°/ 233°	164.2 nm		FL 460 / FL 245	10 nm	odd FL 450 / FL 250	even FL 430 / FL 260	Class C. Scottish Control (Prestwick) Freq: 129.225 (All Levels).
△	BEREP	590209N 0014420E							UIR Boundary. Continues as Z107 and intersects with Z309 (see AIP Norway).



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