ENR 3.4 HELICOPTER MAIN ROUTES (HMR)

1. GENERAL

HMR have been established for the most used helicopter tracks in that part of the North Sea, where ATS is provided by Denmark (see chart ENR 3.3-9 and route description on the following pages). HMR in uncontrolled airspace are not mutually separated horizontally. Where HMR are based on "Basic Area Navigation" with a navigational tolerance of 5 NM on each side of the centre line, this will be indicated in the column remarks in the route description.

Other traffic than civil helicopter operations are advised:

a. to avoid flying along or in close vicinity of an HMR, and

b. to cross an HMR at an angle as close to 90º as possible and to keep an alert look out.

Further military air traffic are advised to avoid crossing HMR between altitude 1000 FT AMSL and FL 90.

2. CRUISING LEVEL IN HMR

Except during take-off and landing, civil helicopter operations should normally be carried out in levels not below 1500 FT MSL and not above FL85. If icing or other safety conditions necessitates flight below 1500 FT MSL, the ATS-unit concerned shall be informed about the new cruising level and the reason for the change.

HELICOPTER MAIN ROUTES (HMR) ▲ Compulsory REP

Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY04					
▲ NOREM					For continuation see AIP Norway
570000N 0054612E	176,5°	39,1	FL85		
▲ TALUL			GND **G**		
562105N 0055032E		32,9			
▲ TAGIM					
554819N 0055405E		20,2			
▲ TABAP					
552813N 0055612E		28,3			
▲ TOTSA					
550000N 0055907E	356,6°				For continuation see AIP Netherlands
KY05					
▲ NORSO					For continuation see AIP Norway
570000N 0051030E	189,4°	36,3	FL85		
▲ VABOB			GND **G**		
562416N 0045953E		23,3			
▲ VAGAX					
555923N 0045242E		16,3			
▲ OKTIR					
554317N 0044807E	009,0°				

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Route designation (RNP type) Name of significant points Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY60 (RNP 5)					
▲ HP LOCATOR (HP) 553041,17N 0082445,79E	259,5°		FL85 **E**		Minimum flight altitude over Danish territiry 1900 FT MSL
▲ TMA BDRY 552906N 0080955E		19,7	3500 FT MSL 3500 FT MSL		
▲ PEGAM	079,0°		GND **D/G**		
552701N 0075036E	271,8°	28,7			
▲ ANESI 552746N 0070000E		34,0			
▲ LUTAN 552812N 0060000E		2,2	FL85 GND **G**		
▲ TABAP 552813N 0055012E		16,0			
▲ DAVAL 552814N 0052804E		11,4			
▲ DONNA LOCATOR (DON)	089,6°				
552808,54N 0050759,03E	268,9°	16,2			
▲ ATS BDRY 552751N 0043930E		3,7			
▲ BELUV	088,4°				
552741N 0043259E					

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Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY61 (RNP 5)					
▲ ROLVA 553622N 0042929E	099,7°	9,2	FL85 GND **G**		
▲ GOMLA 553447N 0044532E	279,9° 087,9°	24,9			
▲ TUXEN 553527N 0052938E		17,2			
▲ BEDRO 553552N 0060000E		33,9			
▲ KUNAR 553623N 0070000E		44,1	FL85 3500 FT MSL **E** 3500 FT MSL GND **D/G**		Minimum flight altitude over Danish territory 1900 FT MSL
▲ TMA BDRY 553615N 0080955E					
▲ VESTA VOR/DME (VES) 553611,33N 0081759,86E	270,8°				
KY62 (RNP 5)					
▲ KUNAR 553623N 0070000E	288,3°	35,7	FL85 GND **G**		
▲ ARBAG 554718N 0060000E		3,5			
▲ TAGIM 554819N 0055405E		26,4			
▲ TIBDI 555548N 0050913E		5,4			
▲ ARNEX 555718N 0050000E		8,6			
▲ TIBKO 555943N 0044522E		18,4			
▲ OSBAR 560449N 0041349E	105,9°				

HELICOPTER MAIN ROUTES (HMR) ▲ Compulsory REP

Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY63 (RNP 5)					
▲ NEBSA 554630N 0081700E	290,2°	10,2	FL85 GND **G**		Minimum flight altitude over danish territory 1900 FT MSL
▲ NEBUM 555000N 0080000E	110,0° 284,6°	34,8			
▲ NIROX 555830N 0070000E		34,7			
▲ NARSU 560700N 0060000E		34,5			
▲ NARIG 561500N 0050000E		13,6			
▲ NAMON 561807N 0043611E		11,4			
▲ OTRAL 562039N 0041619E	102,8°				
KY64 (RNP 5)					
▲ NEBUM 555000N 0080000E	302,7°	39,8	FL85 GND **G**		
▲ SISPU 561112N 0070000E	121,8° 284,7°	34,5			
▲ SISRA 561942N 0060000E		5,4			
▲ TALUL 562105N 0055032E		29,0			
▲ SISVI 562814N 0050000E		3,1			
▲ OMIRI 562858N 0045440E	103,9°				
KY65 (RNP 5)					
▲ NARSU 560700N 0060000E	301,6°	42,5	FL85 GND **G**		
▲ OMIRI 562858N 0045440E	120,7°				

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Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY66 (RNP 5)					
▲ PEGAM 552701N 0075036E	288,4°	30,3	FL85 GND **G**		
▲ KUNAR 553623N 0070000E	107,7°				
KY70 (RNP 5)					
▲ DONNA L (DON) 552808,54N 0050759,3E	297,7°	8,6	FL85 GND **G**		
▲ SUNEX 553154N 0045424E		5,8			
▲ GOMLA 553447N 0044532E	117,4° 358,0°	8,2			
▲ VESUV 554300N 0044501E	178,0°				
KY71 (RNP 5)					
▲ OKTIR 554317N 0044807E	108,2°	24,7	FL85 GND **G**		
▲ TUXEN 553527N 0052938	288,8°				
KY72 (RNP 5)					
▲ DONNA L (DON) 552808,54N 0050759,03	059,1°	14,3	FL85 GND **G**		
▲ TUXEN 553527N 0052938E	239,4°				
KY73 (RNP 5)					
▲ GOMLA 553447N 0044532E	225,1°	7,1	FL85 GND **G**		
▲ ATS BDRY 552947N 0043641E		3,0			
▲ BELUV 552741N 0043259E	004,9°				

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Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KY74 (RNP 5)					
▲ VESUV 554300N 0044501E	232,9°	11,0	FL85 GND **G**		
▲ ROLVA 553622N 0042929E	052,7°				
KY80 (RNP 5)					
▲ DANOR 561207N 0033843E	145,1°	31,3	FL85 GND **G**		For continuation see AIP United Kingdom
▲ GEGDA 554624N 0041026E		22,7			
▲ BELUV 552741N 0043259E	325,9° 137,5°	22,9			
▲ SORDA 551046N 0050000E	318,2°	14,5			For continuation see AIP Netherland
▲ DANUM 550000N 0051653E					
KY82 (RNP 5)					
▲ OKTIR 554317N 0044807E	334,7	17,4	FL85 GND **G**		
▲ PEMAD 555900N 0043453E		24,1			
▲ OTRAL 562039N 0041619E	154,3				
KY85 (RNP 5)					
▲ OMIRI 562858N 0045440E	223,5°	15,0	FL85 GND **G**		
▲ NAMON 561804N 0043611E		18,3			
▲ OSBAR 560449N 0041349E	043,0°				

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Route designation (RNP type) Name of significant point Coordinates	Initial Track (GEO)	Geodetic Line distance In NM)	UPPER LIMIT LOWER LIMIT Airspace classification	Direction of use	REMARKS
KZ10 (RNP 5)					
▲ ASKEK 554725.56N 0035933.80E	160.0	28.6	FL85 MSL **G**		
▲ ADIKU 552050.40N 0041759.13E	338.7				For continuation see AIP Netherlands
KZ15 (RNP 5)					
▲ ASKEK 554725.56N 0035933.80E	179.6	18.4	FL85 MSL **G**		
▲ BELAP 552906.30N 0035946.10E	359.6				For continuation see AIP Netherlands