

ENR 3.4 Helikopterruter**ENR 3.4 Helicopter Routes****1 Flygehøyder**

Sivile helikoptre i trafikk til og fra oljeinstallasjoner i de områder av Nordsjøen hvor Norge har ansvaret for å yte lufttrafikkteneste, vil utenfor kontrollert luftrom fly i følgende høyder, basert på lokal/varslet minimum QNH.

Magnetisk trekk Magnetic track	Magnetisk trekk Magnetic track
000°-179°	180°-359°
3000 FT	2000 FT

Dersom værforhold eller andre omstendigheter gjør det nødvendig å nytte høyder lavere enn 2000 FT, skal lufttrafikktenesten snarest mulig underrettes om dette.

Normalt vil da følgende høyder basert på radarhøydemåler bli brukt.

Magnetisk trekk Magnetic track	Magnetisk trekk Magnetic track
000°-179°	180°-359°
1000 FT	500 FT

Gjennomgangshøyde 3000 FT.
For flyging i 1000 FT eller lavere skal radarhøydemåler benyttes.

Informasjon om helikoptertrafikk på helikopterruter (HR) gis av vedkommende ATS-enhet.

2 Helikopterruter - underveistrafikk

Helikopterruter (HR) er etablert i de deler av Nordsjøen og Norskehavet hvor Norge har ansvaret for lufttrafikktenesten (REF GEN 3.3).

En HR er en ATS-rute som nyttes hyppig og regelmessig av sivile helikopter og hvor det kan ytes flygekontroll-, flygeinformasjons- og alarmentjeneste.

Sivil helikoptertrafikk som benytter HR vil normalt foregå innen 4 NM fra den angitte HR i høyder fra og med 1000 FT MSL til og med FL 80.

HR er også kunngjort innenfor kontrollert luftrom.

1 Cruising altitudes

Civil helicopters operating to and from off-shore installations in the North Sea where air traffic services are provided by Norway, will outside controlled airspace be operating at following altitudes, based on local/forecast QNH minimum.

If weather conditions or other circumstances necessitate operations below 2000 FT, ATS shall be informed as soon as possible.

Normally the following altitudes based on radar altimeter will be used.

Transition altitude 3000 FT.
For flights at 1000 FT or below radar altimeter shall be used.

Information on helicopter operations on helicopter routes (HR) will be provided by the appropriate ATS unit.

2 Helicopter Routes - En Route Traffic

Helicopter Routes (HR) are established in that part of the North Sea and Norskehavet where Norway is responsible for providing ATS (REF GEN 3.3).

A HR is an ATS-route frequently used by civil helicopters, along which flight control, flight information and alerting service may be provided.

Civil helicopters are normally operating within 4 NM either side of the HR from 1000 FT AMSL to FL 80.

HR are also be published within controlled airspace.

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Route designator (RNP / RNAV) Name of Significant Points Coordinates	Waypoint IDENT, BRG and DIST FM VOR/DME ELEV DME antenna	Magnetic track/ Geodesic DIST NM		Upper limits Lower limits Airspace classification	Direction of cruising levels		Navigation accuracy requirement	RMK Controlling unit
					Odd	Even		
1	2	3		4	5		6	7
KY901 (RNAV) ODRID 574900N 0071500E LIVGI 574900N 0064000E AMDUD 582136N 0053623E	R-140 ZOL							
	81.5 NM 52 FT	18.7	65.7	FL 80 500 FT Class G			RNAV 5	Norway ACC Stavanger
	R-152 ZOL	47.0					RNAV 5	
	71.4 NM 52 FT							
	R-181 ZOL							
	31.0 NM 52 FT							
KY907 (RNAV) DANOR 561207N 0033843E VALAL 561641N 0032334E ABLUS 563830N 0025618E INRUT 564339N 0025520E MATUV 570638N 0025041E	R-202 ZOL							
	173.2 NM 52 FT	9.6	64.6	FL 80 1500 FT Class D 1500 FT 500 FT Class G			RNAV 5	Norway ACC Stavanger
	R-205 ZOL							
	172.2 NM 52 FT	26.6					RNAV 5	
	R-213 ZOL							
	159.9 NM 52 FT	5.2					RNAV 5	
	R-214 ZOL							
	155.8 NM 52 FT	23.2					RNAV 5	
	R-250 SVA							
	173.6 NM 410 FT							

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				Lower limits	Odd	Even		
1	2	3		4		5	6	7
KY908 (RNAV) △ MATUV 570638N 0025041E △ TILRA 582200N 0015425E △ POTRA 584300N 0014000E	R-250 SVA 173.6 NM 410 FT R-256 ZOL 121.0 NM 52 FT R-266 ZOL 124.4 NM 52 FT							
		81.3	103.7	FL 80 500 FT Class G		RNAV 5	Norway ACC Stavanger	
		22.4		FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5		
KY909 (RNAV) △ INVAG 580340N 0014925E △ VARUG 580442N 0015436E △ RUDOK 581117N 0022816E	R-249 ZOL 129.8 NM 52 FT R-248 ZOL 126.9 NM 52 FT R-248 ZOL 107.9 NM 52 FT							
		2.9	22.0	FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5	Norway ACC Stavanger	
		19.0				RNAV 5		
KY910 (RNAV) △ VALAL 561641N 0032334E △ VALIX 562734N 0033300E △ ELBEM 582121N 0051753E	R-205 ZOL 172.2 NM 52 FT R-205 ZOL 160.1 NM 52 FT R-198 ZOL 33.0 NM 52 FT							
		12.1	139.5	FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5	Norway ACC Stavanger	
		127.4				RNAV 5		

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				Airspace classification	Odd	Even		
1	2	3		4	5	6	7	
KY912 (RNAV) △ EPEKO 563248N 0031242E △ EKSIT 564330N 0030548E △ TIPEK 570320N 0032331E △ BAXOL 582952N 0045448E	R-209 ZOL 160.3 NM 52 FT R-212 ZOL 152.9 NM 52 FT R-213 ZOL 130.9 NM 52 FT R-224 ZOL 32.1 NM 52 FT							
		11.4	133.1	FL 80 1500 FT Class D		RNAV 5	Norway ACC Stavanger	
		22.1		1500 FT 500 FT Class G		RNAV 5		
		99.6		FL 80 500 FT Class G		RNAV 5		
KY913 (RNAV) △ ULANU 564908N 0023021E △ MATUV 570638N 0025041E △ BAXOL 582952N 0045448E	R-219 ZOL 159.3 NM 52 FT R-250 SVA 173.6 NM 410 FT R-224 ZOL 32.1 NM 52 FT							
		20.8	127.4	FL 80 1500 FT Class D 1500 FT 500 FT Class G	 	RNAV 5	Norway ACC Stavanger	
		106.6		FL 80 500 FT Class G		RNAV 5		
KY914 (RNAV) △ TILRA 582200N 0015425E △ RUDOK 581117N 0022816E △ INBUN 583810N 0044801E	R-256 ZOL 121.0 NM 52 FT R-248 ZOL 107.9 NM 52 FT R-241 ZOL 29.9 NM 52 FT							
		20.8	99.1	FL 80 1500 FT Class D		RNAV 5	Norway ACC Stavanger	
		78.3		1500 FT 500 FT Class G		RNAV 5		

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Route designator (RNP / RNAV) Name of Significant Points Coordinates	Waypoint IDENT, BRG and DIST FM VOR/DME ELEV DME antenna	Magnetic track/ Geodesic DIST NM	<u>Upper limits</u> <u>Lower limits</u>		Direction of cruising levels		Navigation accuracy requirement	RMK Controlling unit		
			Airspace classification		Odd	Even				
1	2	3	4		5	6	7			
KY915 (RNAV) △ SUGAR 581854N 0013525E △ TILRA 582200N 0015425E △ IBAPI 583028N 0025113E △ NIBAB 584552N 0044408E	R-256 ZOL 131.5 NM 52 FT R-256 ZOL 121.0 NM 52 FT R-256 ZOL 90.0 NM 52 FT R-256 ZOL 29.0 NM 52 FT									
		10.5	102.5	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G	 	RNAV 5	Norway ACC Stavanger			
		31.0				RNAV 5				
		61.0				RNAV 5				
KY916 (RNAV) △ INPET 584249N 0013321E △ POTRA 584300N 0014000E △ NIBAB 584552N 0044408E	R-266 ZOL 127.9 NM 52 FT R-266 ZOL 124.4 NM 52 FT R-256 ZOL 29.0 NM 52 FT									
		3.5	99.5	<u>FL 80</u> 500 FT Class G <u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G	 	RNAV 5	Norway ACC Stavanger			
		96.0				RNAV 5				

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				Airspace classification	Odd	Even					
1	2	3		4		5	6	7			
KY917 (RNAV) △ KODUX 585533N 0044000E △ BALDU 591126N 0022129E △ EMDAL 593425N 0021338E	R-275 ZOL 30.5 NM 52 FT R-281 ZOL 103.5 NM 52 FT R-292 ZOL 113.3 NM 52 FT										
		73.3	96.7	FL 80 500 FT Class G		RNAV 5	Norway ACC Stavanger				
		23.4		FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5					
KY918 (RNAV) △ UNPOS 590545N 0043721E △ OBUPA 592615N 0025625E △ EMDAL 593425N 0021338E △ RAPIR 593948N 0015606E	R-292 ZOL 34.3 NM 52 FT R-292 ZOL 90.0 NM 52 FT R-292 ZOL 113.3 NM 52 FT R-293 ZOL 123.5 NM 52 FT										
		55.7	89.4	FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5	Norway ACC Stavanger				
		23.3				RNAV 5					
		10.4				RNAV 5					
		KY919 (RNAV) △ BALDU 591126N 0022129E △ TOBUR 591738N 0014249E	R-281 ZOL 103.5 NM 52 FT R-282 ZOL 124.1 NM 52 FT								
20.8	20.8			FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5	Norway ACC Stavanger				

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				Airspace classification	Odd	Even		
1	2	3	4	5	6	7		
KY920 (RNAV) △ UNORU 592329N 0043305E △ BAMBU 601911N 0022732E △ NASET 603151N 0015718E	R-312 ZOL 45.8 NM 52 FT R-312 ZOL 130.2 NM 52 FT R-312 ZOL 149.9 NM 52 FT							
		84.4	104.1	<u>FL 80</u> 1500 FT Class D	 	RNAV 5	Norway ACC Stavanger	
		19.6		<u>1500 FT</u> 500 FT Class G		RNAV 5		
KY921 (RNAV) △ EMDAL 593425N 0021338E △ TOBEB 601844N 0024219E △ MAMAV 602929N 0024929E	R-292 ZOL 113.3 NM 52 FT R-314 ZOL 124.4 NM 52 FT R-268 VOO 68.4 NM 1051 FT							
		46.7	58.1	<u>FL 80</u> 1500 FT Class D	 	RNAV 5	Norway ACC Stavanger	
		11.3		<u>1500 FT</u> 500 FT Class G		RNAV 5		
KY930 (RNAV) △ POTRA 584300N 0014000E △ EMDAL 593425N 0021338E △ BEMAB 601300N 0035340E △ TAGUD 601500N 0042000E	R-266 ZOL 124.4 NM 52 FT R-292 ZOL 113.3 NM 52 FT R-326 ZOL 96.7 NM 52 FT R-334 ZOL 91.8 NM 52 FT							
		54.4	131.2	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G	 	RNAV 5	Norway ACC Stavanger	
		63.5				RNAV 5		
		13.3				RNAV 5		

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			Airspace classification		Odd	Even				
1	2	3	4		5		6	7		
KY931 (RNAV) △ GINAX 602250N 0042146E △ ARTON 602752N 0031316E △ MAMAV 602929N 0024929E	R-280 FLS 25.7 NM 213 FT									
		34.3	46.2	FL 80 500 FT Class G			RNAV 5		Norway ACC Stavanger	
	11.9	FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5						
		R-268 VOO 68.4 NM 1051 FT								
KY932 (RNAV) △ ARTON 602752N 0031316E △ OSBEX 603628N 0024628E	R-280 FLS 60.0 NM 213 FT									
		15.8	15.8	FL 80 1500 FT Class D 1500 FT 500 FT Class G			RNAV 5		Norway ACC Stavanger	
	R-285 FLS 74.6 NM 213 FT									
KY933 (RNAV) △ OSBEX 603628N 0024628E △ NAPUR 604142N 0032044E	R-285 FLS 74.6 NM 213 FT									
		17.7	17.7	FL 80 1500 FT Class D 1500 FT 500 FT Class G			RNAV 5		Norway ACC Stavanger	
	R-293 FLS 60.0 NM 213 FT									

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			Airspace classification					Odd	Even	
1	2	3	4		5	6	7			
KY934 (RNAV) △ ARPIX 602907N 0042312E △ NAPUR 604142N 0032044E △ VESIB 604656N 0025346E	R-293 FLS 26.7 NM 213 FT R-293 FLS 60.0 NM 213 FT R-293 FLS 74.2 NM 213 FT									
		33.3	47.5	FL 80 500 FT Class G		RNAV 5	Norway ACC Stavanger			
		14.2		FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5				
		KY935 (RNAV) △ VESIB 604656N 0025346E △ DITEX 605003N 0032911E	R-293 FLS 74.2 NM 213 FT R-302 FLS 60.0 NM 213 FT							
17.6	17.6			FL 80 1500 FT Class D 1500 FT 500 FT Class G		RNAV 5	Norway ACC Stavanger			

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					Odd	Even		
1	2	3		4	5		6	7
KY936 (RNAV) △ TAKIS 603643N 0042456E △ DITEX 605003N 0032911E △ MOLOX 610155N 0023727E △ FAKSO 610819N 0020839E △ IBVAS 611225N 0014950E	R-308 FLS							
	29.8 NM 213 FT	30.5		FL 80 500 FT Class G	↓		RNAV 5	Norway ACC Stavanger
	R-302 FLS							
	60.0 NM 213 FT	27.9					RNAV 5	
	R-301 FLS		83.8	FL 80 1500 FT Class D				
	87.8 NM 213 FT	15.4		1500 FT 500 FT Class G			RNAV 5	
	R-300 FLS							
KY937 (RNAV) △ MOLOX 610155N 0023727E △ VEBIL 611253N 0021625E	103.2 NM 213 FT	10.0					RNAV 5	
	R-258 FLO							
	94.7 NM 63 FT							
	R-301 FLS							
	87.8 NM 213 FT	15.0	15.0	FL 80 1500 FT Class D 1500 FT 500 FT Class G	↓		RNAV 5	Norway ACC Stavanger
	R-256 FLO							
	82.2 NM 63 FT							

NORSK

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			Airspace classification		Odd	Even				
1	2	3	4		5		6	7		
KY938 (RNAV) △ ARKEN 604551N 0042702E △ RASTO 611559N 0024711E △ SOSUK 612702N 0020836E	R-303 VOO 23.9 NM 1051 FT R-310 FLS 91.6 NM 213 FT R-266 FLO 83.0 NM 63 FT									
		57.2	78.9	<u>FL 80</u> 500 FT Class G			RNAV 5	Norway ACC Stavanger		
		21.6		<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G			RNAV 5			
KY940 (RNAV) △ VEBIL 611253N 0021625E △ RASTO 611559N 0024711E △ OTNOP 611757N 0030122E △ TUVUS 612338N 0041909E	R-256 FLO 82.2 NM 63 FT R-310 FLS 91.6 NM 213 FT R-254 FLO 60.0 NM 63 FT R-241 FLO 23.1 NM 63 FT									
		15.2	60.2	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G			RNAV 5	Norway ACC Stavanger		
		7.1					RNAV 5			
		37.9					RNAV 5			

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Route designator (RNP / RNAV) Name of Significant Points Coordinates	Waypoint IDENT, BRG and DIST FM VOR/DME ELEV DME antenna	Magnetic track/ Geodesic DIST NM		Upper limits Lower limits Airspace classification	Direction of cruising levels		Navigation accuracy requirement	RMK Controlling unit
					Odd	Even		
1	2	3		4	5		6	7
KY942 (RNAV) △ ARKEN 604551N 0042702E △ TUVUS 612338N 0041909E △ TOTVU 612948N 0042001E △ UPLOR 614454N 0042642E △ UTEDO 622135N 0044212E △ ALAVU 623000N 0050500E	R-303 VOO							
	23.9 NM 1051 FT	38.1	110.8	FL 80 500 FT Class G	↑ ↓	RNAV 5	Norway ACC Stavanger	
	R-241 FLO	6.2		FL 80 1500 FT Class D 1500 FT 500 FT Class G	↓ ↓	RNAV 5		
	23.1 NM 63 FT							
	R-256 FLO	15.5					RNAV 5	
	20.4 NM 63 FT							
	R-302 FLO	37.5		FL 80 500 FT Class G	↑	RNAV 5		
	19.3 NM 63 FT							
	R-349 FLO	13.6				RNAV 5		
	47.7 NM 63 FT							
	R-244 KVB							
	83.8 NM 685 FT							

NORSK

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					Odd	Even				
1	2	3	4	5	6	7				
KY950 (RNAV) △ ADNUM 632828N 0073102E △ PIGIT 635047N 0072551E △ RORAR 640519N 0071800E △ ASGUR 650326N 0064509E △ EBARI 651932N 0071857E	R-339 KVB 22.9 NM 685 FT R-346 KVB 45.0 NM 685 FT R-346 KVB 60.0 NM 685 FT R-346 KVB 120.0 NM 685 FT R-286 RVK 101.6 NM 72 FT									
		22.5	119.0	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G		RNAV 5	Norway ACC Bodø			
		15.0				RNAV 5				
		60.0				RNAV 5				
		21.5			 	RNAV 5				
		KY951 (RNAV) △ ABGOR 633400N 0074800E △ ROLIT 640654N 0074713E △ DENUG 642110N 0074651E △ DERIX 650642N 0074541E △ EBARI 651932N 0071857E	R-358 KVB 27.0 NM 685 FT R-358 KVB 60.0 NM 685 FT R-358 KVB 74.3 NM 685 FT R-358 KVB 120.0 NM 685 FT R-286 RVK 101.6 NM 72 FT							
				33.0	110.1	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G		RNAV 5	Norway ACC Bodø	
14.3	RNAV 5									
45.7	RNAV 5									
17.1	RNAV 5									

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					Odd	Even		
1	2	3		4	5		6	7
KY953 (RNAV) △ GALTU 641300N 0092717E △ VAVAK 650506N 0103254E △ OMIDU 652037N 0113500E	R-032 KVB 79.4 NM 685 FT R-029 KVB 138.6 NM 685 FT R-207 STO 43.2 NM 137 FT			FL 80 500 FT Class G	 		RNAV 5	Norway ACC Bodø
		59.4						
			89.8					
		30.4						
KY954 (RNAV) △ EBARI 651932N 0071857E △ NOSVA 660137N 0080512E	R-287 RVK 101.6 NM 72 FT R-287 BNN 107.8 NM 70 FT			FL 80 500 FT Class G	 		RNAV 5	Norway ACC Bodø
		46.4						
			46.4					
KY955 (RNAV) △ EBARI 651932N 0071857E △ ARNOR 652721N 0113500E	R-287 RVK 101.6 NM 72 FT R-267 BNN 15.8 NM 70 FT			FL 80 500 FT Class G	 		RNAV 5	Norway ACC Bodø
		107.4						
			107.4					
KY956 (RNAV) △ DETRU 653311N 0113500E △ NOSVA 660137N 0080512E	R-287 BNN 16.8 NM 70 FT R-287 BNN 107.8 NM 70 FT			FL 80 500 FT Class G	 		RNAV 5	Norway ACC Bodø
		91.0						
			91.0					

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					Odd	Even		
1	2	3		4	5		6	7
KY961 (RNAV) △ EPEKO 563248N 0031242E △ ABABA 563829N 0031932E △ PELUX 564245N 0032411E △ LESGO 565951N 0034301E △ ELBEM 582121N 0051753E	R-209 ZOL 160.3 NM 52 FT	6.8	128.1	<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G			RNAV 5	Norway ACC Stavanger
	R-240 SVA 172.3 NM 410 FT	5.0					RNAV 5	
	R-209 ZOL 148.5 NM 52 FT	20.0					RNAV 5	
	R-208 ZOL 128.6 NM 52 FT	96.3					RNAV 5	
	R-198 ZOL 33.0 NM 52 FT							
KY962 (RNAV) △ BERAV 574153N 0020407E △ LUXOG 581842N 0034911E △ INBUN 583810N 0044801E	R-239 ZOL 133.4 NM 52 FT	67.0	103.5	<u>FL 80</u> 500 FT Class G			RNAV 5	Norway ACC Stavanger
	R-239 ZOL 66.4 NM 52 FT	36.5		<u>FL 80</u> 1500 FT Class D <u>1500 FT</u> 500 FT Class G			RNAV 5	
	R-241 ZOL 29.9 NM 52 FT							

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			Airspace classification		Odd	Even		
1	2	3	4		5		6	7
KY970 (RNAV) △ Hammerfest DVOR/DME HMF 704215N 0234127E △ BABAM 743007N 0190510E	1255 FT							
		243.3	243.3	FL 80 500 FT Class G	↑ ↓	RNAV 5	Norway ACC Bodø	
	R-331 HMF 243.3 NM 1255 FT							
KY980 (RNAV) △ DANOR 561207N 0033843E △ EPEKO 563248N 0031242E	R-202 ZOL 173.2 NM 52 FT							
		25.3	25.3	FL 80 1500 FT Class D 1500 FT 500 FT Class G	↑ ↓	RNAV 5	Norway ACC Stavanger	
	R-209 ZOL 160.3 NM 52 FT							
KY991 (RNAV) △ VEBIL 611253N 0021625E △ SOSUK 612702N 0020836E △ TOTVU 612948N 0042001E	R-256 FLO 82.2 NM 63 FT							
		14.7	77.8	FL 80 1500 FT Class D 1500 FT 500 FT Class G	↑ ↓	RNAV 5	Norway ACC Stavanger	
	63.1			↓	RNAV 5			
	R-256 FLO 20.4 NM 63 FT							

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Route designator (RNP / RNAV) Name of Significant Points Coordinates	Waypoint IDENT, BRG and DIST FM VOR/DME ELEV DME antenna	Magnetic track/ Geodesic DIST NM	<u>Upper limits</u> <u>Lower limits</u>		Direction of cruising levels		Navigation accuracy requirement	RMK Controlling unit
			Airspace classification		Odd	Even		
1	2	3	4		5		6	7
KY994 (RNAV) △ FIR BDRY NOREM 570000N 0054612E △ AMDUD 582136N 0053623E	R-177 ZOL 112.8 NM 52 FT							Norway ACC Stavanger
		82.0	82.0	FL 80 500 FT Class G	↑ ↓	RNAV 5		
	R-181 ZOL 31.0 NM 52 FT							
KY995 (RNAV) △ FIR BDRY NORSO 570000N 0051030E △ AMDUD 582136N 0053623E	R-187 ZOL 113.7 NM 52 FT							Norway ACC Stavanger
		83.0	83.0	FL 80 500 FT Class G	↓ ↑	RNAV 5		
	R-181 ZOL 31.0 NM 52 FT							
KY996 (RNAV) △ DANOR 561207N 0033843E △ VALIX 562734N 0033300E △ PELUX 564245N 0032411E △ MATUV 570638N 0025041E	R-202 ZOL 173.2 NM 52 FT							Norway ACC Stavanger
		15.8	62.0	FL 80 1500 FT Class D 1500 FT 500 FT Class G	↑ ↓	RNAV 5		
	16.0	RNAV 5						
	30.2	RNAV 5						
	R-250 SVA 173.6 NM 410 FT							

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