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NYE LANDSDEKKENDE OMRÅDE-NAVIGASJONSRUTER (RNP1) I LAV HØYDE FOR LUFTAMBULANSEHELIKOPTER-TJENESTEN I NORGE

Denne AIP SUP inneholder informasjon som senere er planlagt inkludert i en nasjonal publikasjon for helikopterspesifikk informasjon.

Rutenettverket vil kun være tilgjengelig for operatører med fast tilknytning til luftambulanse-tjenesten i Norge, samt SAR-operatører med luftambulanseoppdrag for det offentlige. Prosedyrer publisert i denne AIP SUP er ikke å anse som en komplett prosedyrebeskrivelse, og må ikke, under noen omstendigheter, benyttes av andre enn operatører med spesiell godkjenning fra Luftambulansetjenesten ANS.

All bruk av disse områderuter vil være gjenstand for streng koordinering, samt varslingsansvar og trafikkontrolltjenester, i henhold til operative instrukser og lokale avtaler utarbeidet av Luftambulansetjenesten ANS. Disse vil ikke gjøres kjent for operatører uten spesiell godkjenning, og misbruk vil slik kunne anses som svært sikkerhetskritisk.

Tilgang til prosedyrekart / underveiskart gis kun etter godkjennelse fra Luftambulansetjenesten ANS.

Vedlegg:

A: Rutebeskrivelser

B: Oversikt SIG-punkt

C: Etablerte ventemønster

- Vedlegg -

NEW NATIONAL LOW LEVEL AREA NAVIGATION ROUTES (RNP1) FOR THE HELICOPTER AIR AMBULANCE SERVICES OF NORWAY

This AIP SUP contains information that later will be included in a separate national, helicopter specific, information publication.

The route network is only available for operators connected to the Air Ambulance Service of Norway, including SAR operators executing public air ambulance services. Procedures as published in this AIP SUP do not represent the total procedure description. Under no circumstances should operators not approved by the National Air Ambulance Services of Norway make use of these procedures.

All operations utilizing these area navigation routes will be the subject of strict coordination, compulsory reporting and ATC services according to operational procedures and local agreements as established by the National Air Ambulances Services of Norway. These procedures and agreements are not available for operators without prior approval, and any misuse is highly compromising to safety.

Access to procedure charts / en-route charts is only gained through the approval by the National Air Ambulance Services of Norway.

Appendix

A: Route description

B: List of SIG pkt

C: Holding patterns established

- Appendix-

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Low Level Area Navigation Routes (RNP1) for the Helicopter Air Ambulance Service - Route description

Use of these procedures is subject to approval from the National Air Ambulance Services of Norway.

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	3		4	5	6	7
KZ01 (RNAV)						
△ OSKIB 705500N 0233000E	267.7°			↓		Norway ACC Bodø
	12.8				RNP 1	
△ EVNOK 705651.87N 0225130.90E	087.5° / 228.5°					
	23.3				RNP 1	
△ ODMAL 704446.03N 0215104.14E	048.2° / 216.7°					
	11.5				RNP 1	
△ VAROT 703652.69N 0212558.69E	036.6° / 216.6°					
	24.3				RNP 1	
△ OTBAN 702002.97N 0203406.41E	036.4° / 272.1°					
	8.5				RNP 1	
△ ULTAL 702140.59N 0200920.15E	091.9° / 254.8°					
	21.5				RNP 1	
△ BEVIP 701909.10N 0190614.83E	074.5° / 225.9°	1227.1	1200 FT Class G			
	20.9				RNP 1	
△ KOPIN 700648.94N 0181635.11E	045.7° / 207.3°					
	21.9				RNP 1	
△ ULTIV 694853.70N 0174018.60E	027.2° / 207.2°					
	15.0				RNP 1	
△ GUDIP 693633.04N 0171603.22E	027.1° / 232.3°					
	13.0				RNP 1	
△ APVAT 692953.46N 0164417.34E	052.1° / 250.9°			↑		
	17.9				RNP 1	
△ ROBUM 692557.08N 0155440.88E	070.7° / 210.8°					
	16.2				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ GIGUG	030.7°					Norway ACC Bodø
691303.91N 0152722.29E	231.7°			↓		
	12.0				RNP 1	
△ NEVIG	051.6°					
690637.30N 0145905.36E	208.9°					
	13.4				RNP 1	
△ NEKOM	028.9°					
685536.72N 0143805.76E	216.6°					
	16.3				RNP 1	
△ PEVIG	036.4°					
684331.00N 0140819.64E	180.2°					
	8.4				RNP 1	
△ IBEKI	000.1°					
683512.79N 0140616.07E	212.8°					
	14.8	1227.1			RNP 1	
△ NEVID	032.7°		1200 FT Class G			
682331.21N 0134141.97E	222.0°					
	22.1				RNP 1	
△ ADOBO	041.8°					
680819.85N 0125840.01E	201.1°					
	20.2				RNP 1	
△ ERMAP	021.1°					
675005.76N 0123544.19E	201.1°					
	10.0				RNP 1	
△ EVIGO	021.0°					
674103.96N 0122437.51E	157.5°			↑		
	14.5				RNP 1	
△ GONID	337.6°					
672723.89N 0123637.34E	123.5°					
	20.4				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ SOMIT	303.8°					Norway ACC Bodø
671457.58N 0131810.66E	119.0°					
	6.1				RNP 1	
△ EVTIP	299.1°					
671136.71N 0133114.52E	160.4°					
	6.9				RNP 1	
△ IRKEL	340.4°					
670500.64N 0133549.45E	218.7°					
	17.0				RNP 1	
△ MALIG	038.5°					
665236.65N 0130620.66E	219.9°					
	22.6				RNP 1	
△ ADRIP	039.7°					
663619.90N 0122654.03E	156.7°					
	7.0	1227.1			RNP 1	
△ LOMKA	336.6°		1200 FT Class G			
662945.28N 0123244.89E	189.8°					
	4.0				RNP 1	
△ LUSAS	009.8°					
662552.92N 0123023.33E	189.8°					
	7.4				RNP 1	
△ UMGEL	009.8°					
661840.86N 0122602.10E	204.3°					
	7.2				RNP 1	
△ OSMEL	024.3°					
661223.38N 0121742.37E	224.8°					
	7.7				RNP 1	
△ ROLOS	044.6°					
660719.25N 0120337.23E	176.1°					
	9.8				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ GODAG	356.1°					Norway ACC Bodø
655735.59N 0120343.91E	211.7°			↓	RNP 1	
	22.6					
△ TOKLI	031.5°					
653910.52N 0113217.02E	158.7°				RNP 1	
	12.8					
△ KODOM	338.8°					
652701.68N 0114145.63E	124.6°		1200 FT Class G		RNP 1	
	4.2					
△ XEDNO	304.7°					
652425.41N 0114945.74E	203.2°				RNP 1	
	23.7					
△ OTVOR	023.0°					
650316.27N 0112446.09E	221.7°				RNP 1	
	17.0	1227.1	1600 FT Class G			
△ OLBOV	041.5°					
645111.43N 0105637.11E	221.5°				RNP 1	
	9.0		1300 FT Class G			
△ GASKO	041.4°					
644446.37N 0104155.03E	192.5°				RNP 1	
	5.3					
△ LESDU	012.4°					
643939.50N 0103839.27E	192.4°				RNP 1	
	7.5					
△ UPLET	012.5°		1200 FT Class G			
643224.23N 0103403.77E	213.7°			↑	RNP 1	
	18.0					
△ NALUP	033.5°					
641755.36N 0100933.76E	226.7°					
	10.7				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ AMIVO 641058.06N 0095107.24E	046.5° 198.1°					Norway ACC Bodø
	9.3				RNP 1	
△ BABUX 640219.03N 0094345.58E	018.1° 232.0°					
	7.2				RNP 1	
△ DIMPI 635808.22N 0093034.42E	051.9° 215.8°		1200 FT Class G			
	12.9				RNP 1	
△ SUKAM 634757.23N 0091236.30E	035.7° 199.7°					
	3.0				RNP 1	
△ NAPIT 634510.52N 0091006.33E	019.7° 199.7°					
	17.7		1800 FT Class G		RNP 1	
△ IPROL 632847.69N 0085532.86E	019.6° 245.8°	1227.1				
	6.0		1400 FT Class G		RNP 1	
△ ABSEB 632630.88N 0084311.32E	065.7° 245.7°					
	9.8				RNP 1	
△ ERSES 632245.67N 0082307.21E	065.6° 231.9°					
	8.8		1300 FT Class G		RNP 1	
△ ABSAD 631731.15N 0080724.42E	051.8° 270.8°					
	7.3				RNP 1	
△ UNDEL 631747.47N 0075120.14E	090.6° 247.9°					
	9.2		1200 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ AGLUD 631431.40N 0073215.40E	067.8° 230.5° 20.0			↓		Norway ACC Bodø
△ KUSIV 630205.44N 0065748.36E	050.3° 230.2° 18.0				RNP 1	
△ TENDI 625046.67N 0062713.66E	050.0° 230.0° 16.2				RNP 1	
△ UPUPU 624028.84N 0055959.08E	049.8° 233.1° 13.3				RNP 1	
△ ASKEX 623233.83N 0053647.31E	053.0° 219.8° 14.0				RNP 1	
△ KUBUX 622151.86N 0051726.01E	039.6° 219.6° 12.2	1227.1	1200 FT Class G		RNP 1	< not found> Norway ACC Stavanger
△ NARNA 621229.22N 0050043.41E	039.6° 205.4° 23.0				RNP 1	
△ MONUT 615144.43N 0043954.91E	025.2° 181.0° 15.2				RNP 1	
△ GOSLI 613637.96N 0043926.66E	000.9° 193.5° 13.4			↑	RNP 1	
△ BILSA 612340.68N 0043259.88E	013.4° 193.4° 14.0				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ RUBVA	013.4°					Norway ACC Stavanger
611005.44N 0042620.08E	179.4°			↓		
	24.3				RNP 1	
△ ARKEN	359.3°					
604551.10N 0042701.92E	162.7°					
	8.7				RNP 1	
△ SUMAK	342.8°					
603734.58N 0043218.64E	162.8°					
	10.1				RNP 1	
△ INKAD	342.8°					
602757.87N 0043822.96E	163.2°					
	8.7				RNP 1	
△ VITUL	343.3°					
601937.44N 0044326.69E	174.6°					
	11.3	1227.1			RNP 1	
△ MARAP	354.5°		1200 FT Class G			
600825.53N 0044534.77E	165.2°					
	5.2				RNP 1	
△ NIVOP	345.2°					
600327.20N 0044811.18E	165.2°					
	13.0				RNP 1	
△ KUSEX	345.2°					
595055.98N 0045441.44E	165.2°					
	10.0				RNP 1	
△ PIVAD	345.3°					
594116.65N 0045938.96E	165.3°			↑		
	10.0				RNP 1	
△ ASMID	345.3°					
593137.12N 0050433.64E	183.8°					
	19.2				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ LULOK	003.7°					Norway ACC Stavanger
591229.60N 0050154.11E	159.0°					
	10.1				RNP 1	
△ ETROM	339.1°					
590305.60N 0050848.70E	164.0°					
	12.9				RNP 1	
△ GIPKO	344.0°					
585039.42N 0051533.42E	161.8°					
	19.7				RNP 1	
△ GILOL	341.9°					
583157.61N 0052700.68E	128.4°					
	13.1				RNP 1	
△ UPIGO	308.6°					
582343.36N 0054623.43E	130.7°					
	24.4	1227.1			RNP 1	
△ ENUPI	310.9°		1200 FT Class G			
580736.10N 0062053.53E	121.7°					
	13.0				RNP 1	
△ BARPO	301.9°					
580035.28N 0064128.83E	105.3°					
	20.3				RNP 1	
△ OLPON	285.5°					
575448.91N 0071756.58E	078.3°					Norway ACC Oslo
	15.1				RNP 1	
△ DIBGI	258.5°					
575729.46N 0074552.80E	067.0°					
	12.7				RNP 1	
△ EKMUP	247.2°					
580206.13N 0080806.81E	051.7°					
	9.8				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ LUMEM 580756.03N 0082256.00E	231.8° 043.5° 10.4		1200 FT Class G	↓	RNP 1	Norway ACC Oslo
△ XUGRO 581513.77N 0083654.85E	223.6° 027.8° 6.5				RNP 1	
△ ADNOT 582052.65N 0084301.26E	207.9° 052.4° 13.0				RNP 1	
△ OSVAL 582827.75N 0090308.68E	232.5° 039.5° 19.3				RNP 1	
△ LUTOT 584249.17N 0092737.62E	219.8° 037.8° 14.9				RNP 1	
△ EMGUS 585413.24N 0094605.17E	217.9° 069.7° 19.0	1227.1			RNP 1	
△ USUTI 585959.99N 0102100.03E	250.0° 035.4° 14.3		1300 FT Class G		RNP 1	
△ ATSAM 591115.97N 0103806.37E	215.5° 351.4° 7.7				RNP 1	
△ RUSOX 591853.27N 0103632.82E	171.4° 306.5° 6.0		1500 FT Class G	↑	RNP 1	
△ OGTAB 592239.25N 0102726.43E	126.4° 349.5° 2.1		1600 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels*		*Navigation accuracy requirement*	*RMK Controlling unit*
				Odd	*Even*		
1	*3*		*4*	*5*		*6*	*7*
△ MIRMO 592445.47N 0102651.59E	169.5° 025.0°						Norway ACC Oslo
	6.7	1227.1	1700 FT Class G	↓	↑	RNP 1	
△ TURSI 593039N 0103254E	205.0°						

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ02 (RNAV)						
△ APVAT 692953.46N 0164417.34E	160.9°			↓		Norway ACC Bodø
	5.0		1200 FT Class G		RNP 1	
△ GIMUM 692501.52N 0164719.16E	341.0° / 180.2°					
	18.5		1800 FT Class G		RNP 1	
△ TISKI 690642.80N 0164108.23E	000.2° / 163.6°					
	7.8				RNP 1	
△ AVERI 685901.72N 0164451.15E	343.6° / 182.6°					
	6.3		2100 FT Class G		RNP 1	
△ TIVUL 685250.68N 0164204.12E	002.7° / 182.7°					Norway ACC Bodø
	9.0				RNP 1	
△ PESOS 684400.28N 0163808.08E	002.6° / 174.1°					
	14.4				RNP 1	
△ PESAV 682941.71N 0163742.44E	354.2° / 222.7°	169.1				
	4.0		2500 FT Class G		RNP 1	
△ AMPON 682705.97N 0162933.45E	042.7° / 222.7°					
	4.5				RNP 1	
△ ELVEN 682407.97N 0162018.36E	042.7° / 236.6°					
	10.9		2200 FT Class G		RNP 1	
△ ABSUK 681907.05N 0155405.27E	056.4° / 228.6°					
	17.1				RNP 1	
△ USUPI 680910.02N 0151645.81E	048.4° / 222.8°					
	21.8		1200 FT Class G	↑	RNP 1	
△ TIXIB 675437.26N 0143335.58E	042.5° / 201.5°					
	25.3				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd	Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*		*6*	*7*
△ ABTAM 673204.19N 0140359.34E	021.5°						Norway ACC Bodø
	199.1°			↓	↑		
	13.8					RNP 1	
△ NUMSI 671931.22N 0134933.76E	019.0°	169.1	1200 FT Class G				
	217.3°						
	10.7					RNP 1	
△ EVTIP 671136.71N 0133114.52E	037.2°						
KZ03 **(RNAV)** △ TIVUL 685250.68N 0164204.12E							
	231.8°			↓			Norway ACC Bodø
	12.4		3100 FT Class G			RNP 1	
△ EVODU 684620.13N 0161309.72E	051.7°						
	188.3°						
	28.2		4600 FT Class G			RNP 1	
△ ABSUK 681907.05N 0155405.27E	008.2°						
	228.6°						
	17.1					RNP 1	
△ USUPI 680910.02N 0151645.81E	048.4°						
	243.3°						
	25.8					RNP 1	
△ VEGUX 675942.17N 0141245.50E	062.9°	126.2	1200 FT Class G				
	242.9°						
	15.0					RNP 1	
△ LEKNO 675401.02N 0133559.01E	062.8°						
	231.2°						
	16.6					RNP 1	
△ ROSAP 674437.89N 0125948.31E	050.9°						
	276.5°				↑		
	3.8		2100 FT Class G			RNP 1	
△ LUMOP 674520.00N 0125000.02E	096.4°						
	307.3°						
	7.2		2300 FT Class G			RNP 1	
△ ERMAP 675005.76N 0123544.19E	127.3°						

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ04 (RNAV)						
△ LUSAS 662552.92N 0123023.33E	099.8°			↓		Norway ACC Bodø
	4.0		1200 FT Class G		RNP 1	
△ DEXUM 662456.10N 0124003.50E	279.9° / 129.5°					
	9.6		1600 FT Class G		RNP 1	
△ MANEK 661819.80N 0125723.28E	309.5° / 148.0°					
	5.5		3000 FT Class G		RNP 1	
△ EROSA 661330.00N 0130343.06E	328.1° / 094.3°					
	8.4		3600 FT Class G		RNP 1	
△ EVONO 661215.19N 0132408.96E	274.5° / 119.0°					
	11.9				RNP 1	
△ UPGER 660540.71N 0134840.55E	299.2° / 179.0°					
	12.2		4000 FT Class G		RNP 1	
△ SUMIK 655333.41N 0134651.75E	359.0° / 132.8°	281.3				
	9.3				RNP 1	
△ SOXUN 654644.09N 0140209.81E	312.9° / 188.3°					
	6.3				RNP 1	
△ ODURU 654038.85N 0135846.25E	008.3° / 214.5°					
	11.1		3500 FT Class G		RNP 1	
△ TONLU 653203.49N 0134156.89E	034.5° / 244.0°					
	7.1				RNP 1	
△ KUBUG 652925.65N 0132603.00E	063.8° / 192.6°					
	10.8		4000 FT Class G	↑	RNP 1	
△ XIMBA 651906.19N 0131833.10E	012.6° / 172.2°					
	12.6		4500 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ ARPEK	352.3°					Norway ACC Bodø
650635.60N 0132023.87E	198.5°					
	16.8		3500 FT Class G		RNP 1	
△ IPLUS	018.5°					
645108.46N 0130510.96E	222.0°					
	18.8				RNP 1	
△ ROSBU	041.8°					
643802.01N 0123343.41E	181.5°		3100 FT Class G			
	22.0				RNP 1	
△ OLISO	001.4°					
641610.06N 0122910.80E	245.1°					
	22.7				RNP 1	
△ NUPGO	064.8°					
640752.90N 0114058.20E	205.1°		2300 FT Class G			
	18.2	281.3			RNP 1	
△ LEBSA	025.1°					
635154.81N 0112122.91E	219.0°					
	8.7				RNP 1	
△ BASVU	038.9°					
634526.52N 0110813.07E	236.4°					
	14.3				RNP 1	
△ ERSOK	056.2°					
633808.84N 0104037.59E	224.3°		1900 FT Class G			
	9.8				RNP 1	
△ VAGEV	044.3°					
633130N 0102437.50E	246.2°					
	10.8				RNP 1	
△ APTES	066.1°					
632735.12N 0100212.50E	309.3°					
	4.2				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ TIDRA 633023.10N 0095510.25E	129.2° 329.7°					Norway ACC Bodø
	8.3		2200 FT Class G	↓	RNP 1	
△ ETNIG 633744.03N 0094624.80E	149.7° 298.6°	281.3				
	5.3			↑	RNP 1	
△ ROVEM 634026.18N 0093612.32E	118.5° 290.3°		1900 FT Class G			
	12.5				RNP 1	
△ NAPIT 634510.52N 0091006.33E	110.1°					
KZ05 **(RNAV)** △ XEDNO 652425.41N 0114945.74E						
	349.7° 3.0			↓	RNP 1	Norway ACC Bodø
△ VEGAS 652723.50N 0114853.76E	169.7° 349.7°		1200 FT Class G			
	3.0				RNP 1	
△ ROXAX 653021.56N 0114801.59E	169.7° 050.3°					
	10.8				RNP 1	
△ KOKUK 653641.53N 0120855.28E	230.4° 005.4°		1300 FT Class G			
	16.1				RNP 1	
△ UNPAK 655232.83N 0121503.46E	185.4° 036.6°	69.3				
	9.7		1600 FT Class G		RNP 1	
△ RULAP 655954.67N 0123025.23E	216.7° 028.4°					
	9.3		2300 FT Class G		RNP 1	
△ NELAT 660743.59N 0124233.82E	208.4° 070.7°					
	8.6		3300 FT Class G	↑	RNP 1	
△ BIRVU 660958.68N 0130300.13E	250.8° 070.8°					
	8.9		3600 FT Class G		RNP 1	
△ EVONO 661215.19N 0132408.96E	251.0°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ06 (RNAV)						
△ GODAG 655735.59N 0120343.91E	108.2° 3.0 288.3°	11.8	1400 FT Class G	↓ ↑	RNP 1	Norway ACC Bodø
△ LIDSO 655628.87N 0121032.03E	063.3° 8.8 243.4°		1600 FT Class G		RNP 1	
△ RULAP 655954.67N 0123025.23E						
KZ07 (RNAV)						
△ KODOM 652701.68N 0114145.63E	079.6° 3.0 259.7°	41.6	1200 FT Class G	↓	RNP 1	Norway ACC Bodø
△ VEGAS 652723.50N 0114853.76E	079.7° 3.0 259.7°				RNP 1	
△ GOLUL 652744.99N 0115602.04E	104.2° 6.0 284.3°		2000 FT Class G		RNP 1	
△ EDEMI 652555.42N 0120943.24E	104.3° 3.6 284.3°		3100 FT Class G		RNP 1	
△ REDPI 652448.55N 0121758.95E	098.6° 6.0 278.7°		3600 FT Class G	↑	RNP 1	
△ EKPOL 652331.70N 0123159.92E	098.7° 20.0 279.0°		4500 FT Class G		RNP 1	
△ XIMBA 651906.19N 0131833.10E						

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ08 (RNAV)						
△ LESDU 643939.50N 0103839.27E	102.4°					Norway ACC Bodø
	9.6		1700 FT Class G	↓	RNP 1	
△ URANI 643706.55N 0110013.74E	282.6° 130.4°					
	13.6				RNP 1	
△ EVRUS 642746.10N 0112303.87E	310.6° 173.1°		2500 FT Class G			
	9.0				RNP 1	
△ BETIT 641848.42N 0112426.40E	353.1° 193.3°	59.6				Norway ACC Bodø
	8.0				RNP 1	
△ NAMOX 641109.93N 0111915.98E	013.3° 171.4°		2800 FT Class G			
	11.0			↑	RNP 1	
△ BOBGI 640017.10N 0112139.93E	351.4° 177.8°					
	8.4		1900 FT Class G		RNP 1	
△ LEBSA 635154.81N 0112122.91E	357.8°					
KZ09 (RNAV)						
△ IPROL 632847.69N 0085532.86E	055.1°					Norway ACC Bodø
	21.6	21.6	1900 FT Class G	↓ ↑	RNP 1	
△ ROVEM 634026.18N 0093612.32E	235.4°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ10 (RNAV)						
△ APTES 632735.12N 0100212.50E	162.8°			↓		
	7.0				RNP 1	
△ GOGAL 632050.35N 0100611.34E	342.7° / 162.7°					
	4.2		2500 FT Class G		RNP 1	
△ ADPOX 631646.98N 0100834.03E	342.7° / 160.0°					Norway ACC Bodø
	4.2				RNP 1	
△ TUGTO 631244.78N 0101122.72E	340.1° / 152.3°					
	9.5				RNP 1	
△ PIVUP 630413.03N 0102013.94E	332.3° / 205.5°		3100 FT Class G			
	10.1				RNP 1	
△ AMEGI 625522.11N 0100951.21E	025.5° / 177.9°					
	11.7				RNP 1	
△ OVBOS 624339.69N 0100939.35E	357.9° / 147.6°	267.6				
	5.2		4500 FT Class G		RNP 1	
△ ETURI 623909.38N 0101517.73E	327.6° / 156.3°					
	14.0				RNP 1	
△ EVBEX 622609.28N 0102608.97E	336.4° / 128.4°					
	8.2				RNP 1	
△ DIDEV 622048.66N 0103921.14E	308.5° / 128.5°		4400 FT Class G			
	7.5				RNP 1	
△ GIMBU 621552.73N 0105124.52E	308.6° / 165.3°					
	11.1		4900 FT Class G	↑	RNP 1	
△ EVIBU 620504.16N 0105615.58E	345.4° / 155.9°					
	9.7		4500 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ ULMAP 615601.98N 0110344.15E	335.9° 161.1° 12.3			↓		
△ UVNAL 614416.08N 0111051.96E	341.2° 171.8° 10.4				RNP 1	Norway ACC Oslo
△ TOBEX 613356.36N 0111252.82E	351.8° 153.8° 15.0		3800 FT Class G		RNP 1	
△ ABNAX 612011.79N 0112512.92E	333.8° 153.8° 13.1				RNP 1	
△ TIVEP 610809.51N 0113551.56E	333.9° 195.4° 19.7				RNP 1	
△ IBSOL 604931.51N 0112305.06E	015.3° 175.0° 6.5	267.6	3200 FT Class G		RNP 1	
△ INGUP 604302.68N 0112332.73E	355.0° 164.3° 10.8		2500 FT Class G		RNP 1	
△ TIXIS 603233.73N 0112821.08E	344.3° 168.9° 15.8		2800 FT Class G		RNP 1	
△ OSGUR 601656.94N 0113250.93E	348.9° 186.3° 9.8		3100 FT Class G		RNP 1	
△ IBNUR 600716.07N 0112940.80E	006.2° 221.4° 16.4		2500 FT Class G	↑	RNP 1	
			2300 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ INSUV 595532.24N 0110650.58E	041.3° 206.6° 6.8 026.5°					Norway ACC Oslo
△ LUKUL 594936.93N 0110013.67E	205.9° 9.5 025.8°		2300 FT Class G	↓	RNP 1	
△ IPTIR 594116.79N 0105113.09E	205.8° 10.0 025.8°	267.6			RNP 1	
△ KUBUB 593230.72N 0104150.00E	245.2° 4.9 065.0°		1800 FT Class G		RNP 1	
△ TURSI 593039N 0103254E	288.2° 4.2 108.2°			↑	RNP 1	
△ OSGEP 593207.61N 0102513.00E						

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ11 (RNAV)						
△ APTES 632735.12N 0100212.50E	200.6°			↓		Norway ACC Bodø
	5.0				RNP 1	
△ IBNEX 632259.79N 0095751.88E	020.5° / 200.5°					
	4.9		2500 FT Class G		RNP 1	
△ EKMIR 631832.15N 0095339.97E	020.5° / 240.5°					
	10.2				RNP 1	
△ ELDEV 631353.20N 0093335.26E	060.4° / 262.1°					
	7.7		3500 FT Class G		RNP 1	
△ PEPEM 631306.13N 0091637.54E	081.9° / 261.9°					
	8.0	77.9	3700 FT Class G		RNP 1	
△ OSKUS 631215.19N 0085903.31E	081.9° / 257.7°					
	5.5				RNP 1	
△ ULGEM 631115.29N 0084706.94E	077.6° / 257.6°					
	8.6		3500 FT Class G		RNP 1	
△ NOBSI 630939.33N 0082825.03E	077.4° / 257.4°					
	14.1			↑	RNP 1	
△ SURIL 630656.92N 0075752.64E	077.3° / 302.0°					
	13.9		1700 FT Class G		RNP 1	
△ AGLUD 631431.40N 0073215.40E	121.8°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ12 (RNAV)						
△ APTES 632735.12N 0100212.50E	200.6°			↓		Norway ACC Bodø
	5.0				RNP 1	
△ IBNEX 632259.79N 0095751.88E	020.5° / 200.5°					
	4.9		2500 FT Class G		RNP 1	
△ EKMIR 631832.15N 0095339.97E	020.5° / 200.4°					
	6.1				RNP 1	
△ OBOGO 631257.81N 0094829.17E	020.4° / 245.6°					
	9.8				RNP 1	
△ LODNU 630916.82N 0092834.01E	065.4° / 225.7°		3100 FT Class G			
	5.3				RNP 1	
△ ELTOL 630544.82N 0091956.61E	045.7° / 244.1°	94.6				
	8.5				RNP 1	
△ TEVRA 630218.57N 0090250.42E	064.1° / 254.1°					
	17.9				RNP 1	
△ LOPNI 625754.80N 0082450.48E	073.8° / 250.0°					
	10.1		3000 FT Class G		RNP 1	
△ BEVIV 625442.17N 0080348.40E	069.8° / 239.3°					
	21.1			↑	RNP 1	
△ NEKVU 624419.53N 0072343.91E	059.0° / 239.0°					
	6.0				RNP 1	
△ APSEL 624120.63N 0071226.17E	058.9°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ13 (RNAV)						
△ AMEGI 625522.11N 0100951.21E	203.6°					Norway ACC Bodø
	14.9		4000 FT Class G	↓	RNP 1	
△ SUPEB 624203.28N 0095540.87E	023.5° 222.0°					
	11.4		5700 FT Class G		RNP 1	
△ LILMU 623355.11N 0093827.52E	041.9° 175.3°					
	11.1	48.5	6100 FT Class G		RNP 1	
△ IBAGI 622252.45N 0093929.18E	355.3° 198.1°					
	8.2		6500 FT Class G	↑	RNP 1	
△ UNEBU 621513.65N 0093324.93E	018.0° 180.9°					
	3.0		5600 FT Class G		RNP 1	
△ EKDIL 621214.45N 0093304.21E	000.9°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ14 (RNAV) △ DIDEV 622048.66N 0103921.14E						
	219.1° 5.8 039.1°			↓	RNP 1	Norway ACC Bodø
△ URAKA 621630.80N 0103106.21E	198.4° 4.2 018.4°		4600 FT Class G		RNP 1	
△ BESOS 621233.95N 0102751.28E	237.4° 14.5 057.2°				RNP 1	
△ NEXUR 620518.29N 0100108.93E	311.3° 9.3 131.1°	55.7	5000 FT Class G		RNP 1	
△ OGVIS 621140.65N 0094649.33E	272.8° 6.5 092.7°				RNP 1	
△ EKDIL 621214.45N 0093304.21E	256.1° 4.8 076.0°		5800 FT Class G	↑	RNP 1	
△ ETUGU 621116.22N 0092306.40E	228.2° 10.6 048.0°		5900 FT Class G		RNP 1	
△ LIKRO 620428.29N 0090541.74E						

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ15 (RNAV)						
△ ASKEX 623233.83N 0053647.31E	136.8°			↓		Norway ACC Bodø
	3.2		1600 FT Class G		RNP 1	
△ MOMIK 623012.00N 0054132.44E	316.8° / 082.9°					
	11.0		1900 FT Class G		RNP 1	
△ SUVIM 623127.54N 0060503.11E	263.1° / 040.7°					
	5.6				RNP 1	
△ VALIB 623538.39N 0061300.32E	220.7° / 045.9°					
	14.2		2500 FT Class G		RNP 1	
△ BEDUT 624520.37N 0063523.95E	226.1° / 079.0°					
	7.6				RNP 1	
△ UVMUL 624640.09N 0065140.77E	259.1° / 118.2°					
	10.9		2900 FT Class G		RNP 1	
△ APSEL 624120.63N 0071226.17E	298.3° / 140.8°	233.8				
	10.7		4700 FT Class G		RNP 1	
△ BEXIR 623257.90N 0072640.24E	320.9° / 158.9°					
	7.6				RNP 1	
△ BUPID 622548.89N 0073215.35E	339.0° / 110.5°					
	16.6		6500 FT Class G		RNP 1	
△ BAPOT 621937.61N 0080524.84E	290.6° / 146.6°					
	4.0				RNP 1	
△ UPIKA 621614.39N 0080956.54E	326.6° / 114.0°			↑		
	8.3				RNP 1	
△ TUSTA 621239.25N 0082556.65E	294.1° / 129.2°		6000 FT Class G			
	8.4				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ ATSIL	309.3°					Norway ACC Bodø
620710.49N 0083925.56E	100.4°				RNP 1	
	12.6					
△ LIKRO	280.6°					
620428.29N 0090541.74E	142.8°				RNP 1	
	9.6		5900 FT Class G			
△ KUBIM	322.9°					
615638.86N 0091724.06E	133.9°				RNP 1	Norway ACC Oslo
	11.1					
△ EXOSO	314.1°					
614840.20N 0093337.82E	150.3°				RNP 1	
	15.8		4800 FT Class G			
△ ROGPI	330.4°					
613442.74N 0094851.32E	104.4°				RNP 1	
	9.0					
△ RERPU	284.6°	233.8				
613206.73N 0100651.76E	155.8°		4500 FT Class G		RNP 1	
	13.8					
△ ASTEV	335.8°					
611918.08N 0101731.80E	183.5°				RNP 1	
	6.0		3600 FT Class G			
△ INTIN	003.5°					
611322.37N 0101613.92E	142.6°				RNP 1	
	14.9		3500 FT Class G			
△ URIGO	322.7°					
610110.98N 0103344.50E	142.7°				RNP 1	
	16.5		2800 FT Class G			
△ NIPTU	322.8°					
604736.54N 0105254.99E	121.2°					
	2.4		2700 FT Class G		RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ GUBSU 604617.80N 0105653.60E	301.2° 121.2°					Norway ACC Oslo
	5.0		2600 FT Class G	↓ ↑	RNP 1	
△ LUGUB 604330.04N 0110519.76E	301.4° 090.0°	233.8				
	9.0		2500 FT Class G		RNP 1	
△ INGUP 604302.68N 0112332.73E	270.1°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ16 (RNAV)						
△ GUBSU 604617.80N 0105653.60E	211.2°			↓		Norway ACC Oslo
	6.0		2600 FT Class G		RNP 1	
△ ERGOP 604120.20N 0105003.80E	031.2° / 247.3°					
	6.3				RNP 1	
△ IVNOL 603910.11N 0103800.64E	067.2° / 247.2°					
	9.5				RNP 1	
△ IBLOR 603552.39N 0101955.88E	067.0° / 191.2°					
	11.5				RNP 1	
△ BABEB 602443.81N 0101426.20E	011.1° / 182.1°		2900 FT Class G			
	11.6				RNP 1	
△ VAMDI 601313.70N 0101234.54E	002.1° / 170.7°					
	10.9				RNP 1	
△ ASPEP 600223.58N 0101509.93E	350.7° / 152.8°	132.1				
	12.2				RNP 1	
△ GAKLO 595119.37N 0102516.19E	333.0° / 186.9°					
	4.1		2600 FT Class G		RNP 1	
△ INPEG 594717.91N 0102357.28E	006.8° / 176.5°					
	6.0		2300 FT Class G		RNP 1	
△ DIXEB 594118.89N 0102409.70E	356.5° / 174.2°					
	9.2		2100 FT Class G		RNP 1	
△ OSGEP 593207.61N 0102513.00E	354.2° / 215.1°					
	7.6			↑	RNP 1	
△ UGDOL 592606.27N 0101607.63E	034.9° / 214.9°		2000 FT Class G			
	6.0				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ OSMIS 592120.99N 0100900.00E	034.9°					Norway ACC Oslo
	197.0°			↓		
	5.5				RNP 1	
△ OTVIV 591607.89N 0100525.13E	016.9°		2000 FT Class G			
	184.7°					
	6.0				RNP 1	
△ MOKVU 591013.54N 0100359.49E	004.7°					
	216.9°	132.1				
	4.7				RNP 1	
△ VEPER 590636.01N 0095813.55E	036.9°		1900 FT Class G			
	217.0°					
	11.0			↑	RNP 1	
△ RARIV 585806.07N 0094445.77E	036.8°					
	167.7°					
	4.0		1500 FT Class G		RNP 1	
△ EMGUS 585413.24N 0094605.17E	347.7°					

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
KZ17 (RNAV)						
△ NIVOP 600327.20N 0044811.18E	075.2°					Norway ACC Stavanger
	3.3		1200 FT Class G		RNP 1	
△ DITIT 600416.42N 0045429.08E	255.3° 083.9°					
	10.0		1300 FT Class G		RNP 1	
△ OSGUS 600517.70N 0051420.51E	264.0° 084.0°					
	13.4		1500 FT Class G		RNP 1	
△ RIGLA 600634.93N 0054054.41E	264.1° 144.6°					
	5.6		2400 FT Class G		RNP 1	
△ OLBOS 600158.14N 0054720.83E	324.6° 080.9°					
	5.4		3000 FT Class G		RNP 1	
△ VEBUN 600245.97N 0055756.04E	260.9° 024.7°					
	18.5		3800 FT Class G		RNP 1	
△ ASRIB 601927.36N 0061351.31E	204.8° 053.3°	188.5				
	14.7		4900 FT Class G		RNP 1	
△ NELUK 602802.10N 0063751.50E	233.4° 078.3°					
	8.6		5200 FT Class G		RNP 1	
△ BITKU 602937.10N 0065456.46E	258.5° 122.9°					
	10.6		5400 FT Class G		RNP 1	
△ BAGEX 602341.46N 0071241.74E	303.1° 081.0°					Norway ACC Oslo
	15.0				RNP 1	
△ IDGOM 602540.91N 0074240.44E	261.2° 081.2°					
	15.9		5600 FT Class G		RNP 1	
△ EMLAS 602739.95N 0081427.64E	261.4° 111.9°					
	15.7				RNP 1	(continue next page)

Route designator (RNP / RNAV) Name of Significant Points Coordinates	*True track Geodesic DIST NM*		*Lower limits Airspace classification*	*Direction of cruising levels* Odd / Even	*Navigation accuracy requirement*	*RMK Controlling unit*
1	*3*		*4*	*5*	*6*	*7*
△ LEMGI 602120.84N 0084330.06E	292.2° 113.2°					Norway ACC Oslo
	21.7		5600 FT Class G	↓	RNP 1	
△ OBULU 601204.95N 0092256.55E	293.5° 125.6°	188.5				
	18.3		4100 FT Class G	↑	RNP 1	
△ SOVEG 600052.77N 0095147.64E	305.8° 080.2°					
	11.8		2900 FT Class G		RNP 1	
△ ASPEP 600223.58N 0101509.93E	260.3°					

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Low Level Area Navigation Routes (RNP1) for the Helicopter Air Ambulance Service - List of SIG points

These SIG PKT shall only be used in conjunction with the KZ-routes and holdings described in Appendix A and C, or, for those SIG PKT existing in AIP Norway ENR 4.4 EFF 10 NOV 2016, as used in AIP Norway.

Name-code designator	COORD
ABNAX	612011.79N 0112512.92E
ABSAD	631731.15N 0080724.42E
ABSEB	632630.88N 0084311.32E
ABSUK	681907.05N 0155405.27E
ADNOT	582052.65N 0084301.26E
ADOBO	680819.85N 0125840.01E
ADPOX	631646.98N 0100834.03E
ADRIP	663619.90N 0122654.03E
AMEGI	625522.11N 0100951.21E
AMIVO	641058.06N 0095107.24E
AMPON	682705.97N 0162933.45E
APSEL	624120.63N 0071226.17E
APTES	632735.12N 0100212.50E
APVAT	692953.46N 0164417.34E
ARPEK	650635.60N 0132023.87E
ASPEP	600223.58N 0101509.93E
ASRIB	601927.36N 0061351.31E
ASTEV	611918.08N 0101731.80E
ATSAM	591115.97N 0103806.37E
ATSIL	620710.49N 0083925.56E
AVERI	685901.72N 0164451.15E
BABEB	602443.81N 0101426.20E
BABUX	640219.03N 0094345.58E
BAGEX	602341.46N 0071241.74E
BAPOT	621937.61N 0080524.84E
BARPO	580035.28N 0064128.83E
BESOS	621233.95N 0102751.28E
BETIT	641848.42N 0112426.40E
BEVIP	701909.10N 0190614.83E
BEVIV	625442.17N 0080348.40E
BEXIR	623257.90N 0072640.24E
BILSA	612340.68N 0043259.88E
BIRVU	660958.68N 0130300.13E
BITKU	602937.10N 0065456.46E
BOBGI	640017.10N 0112139.93E
BUPID	622548.89N 0073215.35E
DEXUM	662456.10N 0124003.50E
DIBGI	575729.46N 0074552.80E
DIDEV	622048.66N 0103921.14E
DIMPI	635808.22N 0093034.42E
DITIT	600416.42N 0045429.08E
DIXEB	594118.89N 0102409.70E
EDEMI	652555.42N 0120943.24E

Name-code designator	COORD
EKDIL	621214.45N 0093304.21E
EKMIR	631832.15N 0095339.97E
EKMUP	580206.13N 0080806.81E
EKPOL	652331.70N 0123159.92E
ELDEV	631353.20N 0093335.26E
ELTOL	630544.82N 0091956.61E
EMGUS	585413.24N 0094605.17E
EMLAS	602739.95N 0081427.64E
ENUPI	580736.10N 0062053.53E
ERGOP	604120.20N 0105003.80E
ERMAP	675005.76N 0123544.19E
EROSA	661330.00N 0130343.06E
ERSES	632245.67N 0082307.21E
ERSOK	633808.84N 0104037.59E
ETNIG	633744.03N 0094624.80E
ETUGU	621116.22N 0092306.40E
ETURI	623909.38N 0101517.73E
EVBEX	622609.28N 0102608.97E
EVIBU	620504.16N 0105615.58E
EVIGO	674103.96N 0122437.51E
EVNOK	705651.87N 0225130.90E
EVODU	684620.13N 0161309.72E
EVONO	661215.19N 0132408.96E
EVRUS	642746.10N 0112303.87E
EVTIP	671136.71N 0133114.52E
EXOSO	614840.20N 0093337.82E
GAKLO	595119.37N 0102516.19E
GASKO	644446.37N 0104155.03E
GIGUG	691303.91N 0152722.29E
GILOL	583157.61N 0052700.68E
GIMBU	621552.73N 0105124.52E
GIMUM	692501.52N 0164719.16E
GIPKO	585039.42N 0051533.42E
GOGAL	632050.35N 0100611.35E
GOLUL	652744.99N 0115602.04E
GONID	672723.89N 0123637.34E
GUBSU	604617.80N 0105653.60E
GUDIP	693633.04N 0171603.22E
IBAGI	622252.45N 0093929.18E
IBEKI	683512.79N 0140616.07E
IBLOR	603552.39N 0101955.88E
IBNEX	632259.79N 0095751.88E
IBNUR	600716.07N 0112940.80E

Name-code designator	COORD
IBSOL	604931.51N 0112305.06E
IDGOM	602540.91N 0074240.44E
INGUP	604302.68N 0112332.73E
INPEG	594717.91N 0102357.28E
INTIN	611322.37N 0101613.92E
IPLUS	645108.46N 0130510.96E
IPROL	632847.69N 0085532.86E
IPTIR	594116.79N 0105113.09E
IVNOL	603910.11N 0103800.64E
KODOM	652701.68N 0114145.63E
KOKUK	653641.53N 0120855.28E
KOPIN	700648.94N 0181635.11E
KUBIM	615638.86N 0091724.06E
KUBUG	652925.65N 0132603.00E
KUBUX	622151.86N 0051726.01E
KUSEX	595055.98N 0045441.44E
KUSIV	630205.44N 0065748.36E
LEBSA	635154.81N 0112122.91E
LEMGI	602120.84N 0084330.06E
LESDU	643939.50N 0103839.27E
LIDSO	655628.87N 0121032.03E
LIKRO	620428.29N 0090541.74E
LILMU	623355.11N 093827.52E
LODNU	630916.82N 0092834.01E
LOMKA	662945.28N 0123244.89E
LOPNI	625754.80N 0082450.48E
LUGUB	604330.04N 0110519.76E
LUKUL	594936.93N 0110013.67E
LULOK	591229.60N 0050154.11E
LUMEM	580756.03N 0082256.00E
LUMOP	674520.00N 0125000.02E
LUSAS	662552.92N 0123023.33E
MALIG	665236.65N 0130620.66E
MANEK	661819.80N 0125723.28E
MIRMO	592445.47N 0102651.59E
MOKVU	591013.54N 0100359.49E
MOMIK	623012.00N 0054132.44E
MONUT	615144.43N 0043954.91E
NALUP	641755.36N 0100933.76E
NAPIT	634510.52N 0091006.33E
NARNA	621229.22N 0050043.41E
NEKOM	685536.72N 0143805.76E
NEKVU	624419.53N 0072343.91E
NELAT	660743.59N 0124233.82E
NELUK	602802.10N 0063751.50E
NEVID	682331.21N 0134141.97E
NEVIG	690637.30N 0145905.36E
NEXUR	620518.29N 0100108.93E

Name-code designator	COORD
NIPTU	604736.54N 0105254.99E
NIVOP	600327.20N 0044811.18E
NOBSI	630939.33N 0082825.03E
OBOGO	631257.81N 0094829.17E
OBULU	601204.95N 0092256.55E
ODMAL	704446.03N 0215104.14E
ODURU	654038.85N 0135846.25E
OGTAB	592239.25N 0102726.43E
OGVIS	621140.65N 0094649.33E
OLBOS	600158.14N 0054720.83E
OLBOV	645111.43N 0105637.11E
OLISO	641610.06N 0122910.80E
OLPON	575448.91N 0071756.58E
OSGEP	593207.61N 0102513.00E
OSGUR	601656.94N 0113250.93E
OSGUS	600517.70N 0051420.51E
OSKUS	631215.19N 0085903.31E
OSMEL	661223.38N 0121742.37E
OSMIS	592120.99N 0100900.00E
OTBAN	702002.97N 0203406.41E
OTVIV	591607.89N 0100525.13E
OTVOR	650316.27N 0112446.09E
OVBOS	624339.69N 0100939.35E
PEPEM	631306.13N 0091637.54E
PESAV	682941.71N 0163742.44E
PESOS	684400.28N 0163808.08E
PEVIG	684331.00N 0140819.64E
PIVAD	594116.65N 0045938.96E
PIVUP	630413.03N 0102013.94E
RARIV	585806.07N 0094445.77E
REDPI	652448.55N 0121758.95E
RERPU	613206.73N 0100651.76E
RIGLA	600634.93N 0054054.41E
ROGPI	613442.74N 0094851.32E
ROLOS	660719.25N 0120337.23E
ROSBU	643802.01N 0123343.41E
ROVEM	634026.18N 0093612.32E
ROXAX	653021.56N 0114801.59E
RUBVA	611005.44N 0042620.08E
RULAP	655954.67N 0123025.23E
RUSOX	591853.27N 0103632.82E
SOMIT	671457.58N 0131810.66E
SOVEG	600052.77N 0095147.64E
SOXUN	654644.09N 0140209.81E
SUKAM	634757.23N 0091236.30E
SUMAK	603734.58N 0043218.64E
SUMIK	655333.41N 0134651.75E
SUPEB	624203.28N 0095540.87E

Name-code designator	COORD
SURIL	630656.92N 0075752.64E
SUVIM	623127.54N 0060503.11E
TENDI	625046.67N 0062713.66E
TEVRA	630218.57N 0090250.42E
TIDRA	633023.10N 0095510.25E
TISKI	690642.80N 0164108.23E
TIVEP	610809.51N 0113551.56E
TIVUL	685250.68N 0164204.12E
TIXIB	675437.26N 0143335.58E
TIXIS	603233.73N 0112821.08E
TOBEX	613356.36N 0111252.82E
TOKLI	653910.52N 0113217.02E
TONLU	653203.49N 0134156.89E
TUGTO	631244.78N 0101122.72E
TURSI	593039.00N 0103254.00E
TUSTA	621239.25N 0082556.65E
UGDOL	592606.27N 0101607.63E
ULGEM	631115.29N 0084706.94E
ULMAP	615601.98N 0110344.15E
ULTAL	702140.59N 0200920.15E
ULTIV	694853.70N 0174018.60E
UMGEL	661840.86N 0122602.10E
UNEBU	621513.65N 0093324.93E

Name-code designator	COORD
UNPAK	655232.83N 0121503.46E
UPGER	660540.71N 0134840.55E
UPIGO	582343.36N 0054623.43E
UPIKA	621614.39N 0080956.54E
UPLET	643224.23N 0103403.77E
URAKA	621630.80N 0103106.21E
URANI	643706.55N 0110013.74E
URIGO	610110.98N 0103344.50E
USUPI	680910.02N 0151645.81E
USUTI	585959.99N 0102100.03E
UVMUL	624640.09N 0065140.77E
UVNAL	614416.08N 0111051.96E
VAGEV	633130.00N 0102437.50E
VALIB	623538.39N 0061300.32E
VAMDI	601313.70N 0101234.54E
VAROT	703652.69N 0212558.69E
VEBUN	600245.97N 0055756.04E
VEGUX	675942.17N 0141245.50E
VEPER	590636.01N 0095813.55E
XEDNO	652425.41N 0114945.74E
XIMBA	651906.19N 0131833.10E
XUGRO	581513.77N 0083654.85E

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Low Level Area Navigation Routes (RNP1) for the Helicopter Air Ambulance Service - Holding Patterns

Use of these holding patterns is subject to approval from the National Air Ambulance Services of Norway.

Holding SIG pkt	Inbound Track (True)	Direction	MAX IAS	MNM HLDG altitude	Time
ABSUK	054.0°	Left	90 KT	4100 FT	1 MIN
APTES	248.8°	Right	120 KT	2900 FT	1 MIN
APVAT	167.6°	Right	90 KT	2900 FT	1 MIN
ASKEX	137.1°	Right	-	1200 FT	1 MIN
BABUX	234.3°	Right	-	2600 FT	1 MIN
EKDIL	275.1°	Left	90 KT	7100 FT	1 MIN
ERSES	233.5°	Right	-	3400 FT	1 MIN
ETROM	352.0°	Left	-	1500 FT	1 MIN
GIGUG	036.6°	Left	90 KT	2600 FT	1 MIN
IBNUR	189.3°	Left	-	2500 FT	1 MIN
IPROL	057.0°	Left	-	3600 FT	1 MIN
KUSIV	051.2°	Left	-	3400 FT	1 MIN
LUKUL	028.5°	Right	-	2400 FT	1 MIN
OSGUS	264.6°	Left	90 KT	3100 FT	1 MIN
PIVAD	165.4°	Right	-	1500 FT	1 MIN
ULGEM	259.6°	Right	120 KT	4100 FT	1 MIN
UPUPU	230.7°	Right	90 KT	2400 FT	1 MIN

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