

 <p>SOUTH AFRICAN CIVIL AVIATION AUTHORITY</p>	<p>REPUBLIC OF SOUTH AFRICA</p> <p>CIVIL AVIATION AUTHORITY</p>	<p>CAA Private Bag x 73 Halfway House 1685</p>
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OPERATION OF AIRCRAFT

SAFETY

General Hazards to Aviation

- ☛ Indicates changes.
- ☛ This AIC replaces 009/2018 dated 06 DEC 2018.

Warning to pilots concerning the avoidance of physical hazards.

Blimps, Tethered balloons, search lights etc.

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Blimp	Megapaints store, Lynnwood Road, Menlo Park, Pretoria DLY BTN SR-SS	-	GND/148 FT AGL	-
Blimp	Megapaints store, Margaretha Street, Meyerspark, Pretoria DLY BTN SR-SS	-	GND/148 FT AGL	-
Blimp	Megapaints store, c/o Lenchen and Jakaranda Street, Centurion, Pretoria DLY BTN SR-SS	-	GND/148 FT AGL	-
Blimp	Megapaints store, Delfi Street, Garsfontein, Pretoria DLY BTN SR-SS	-	GND/148 FT AGL	-
Blimp	Megapaints store, Zambezi Drive, Sinoville, Pretoria DLY BTN SR-SS	-	GND/148 FT AGL	-
Search Lights	Windmill Casino, Bloemfontein, DLY BTN 1600-0400	S265028 E0291244	GND/UNL	-
Search Lights	Sun City Casino, North West Province. DLY BTN 1600-0400	S252130 E0270615	GND/UNL	-
Search Lights	Sibaya Casino, Umhloti. DLY BTN 1600-0400	S294050 E0310554	GND/UNL	-
Search Lights	Naledi Sun Casino, Thaba Nchu DLY BTN 1600-0400	S291010 E0261051	GND/UNL	-
Search Lights	Morula Sun, Garankua. DLY BTN 1600-0400	S2531E02802	GND/UNL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Search Lights	Meropa Casino, Polokwane DLY BTN 1600-0400	S235737 E0292222	GND/UNL	-
Search Lights	Flamingo Casino, Kimberley DLY BTN 1600-0400	S244555 E0294131	GND/UNL	-
Search Lights	Carousel Casino, Hammanskraal DLY BTN 1600-0400	S251830 E0281737	GND/UNL	-
Search Lights	Carnival City Casino, Boksburg DLY BTN 1600-0400	S261524 E0281852	GND/UNL	-
Search Lights	Grandwest Casino, Goodwood, Cape Town DLY BTN 1600-0400	S335503 E0183258	GND/UNL	-
Search Lights	Broadwalk Casino, Port Elizabeth DLY BTN 1600-0400	S335902 E0253930	GND/UNL	-
Search Lights	Wildcoast Casino, Amadiba, Eastern Cape DLY BTN 1600-0400	S310548 E0300931	GND/UNL	-
Search Lights	Golden Valley Casino, Worcester DLY BTN 1600-0400	S333742 E0192557	GND/UNL	-
Helium Balloon Attached to steel cable	Mushroom Farm Park, ERF1/30 Linden Road MON-THU 0500-1800, FRI- STA 0530-222 and SUN 0530-1900	S260619 E0280345	GND/6158 FT AMSL	-

WIND TURBINES AND MONITORING MASTS

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind Turbines (Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures until PERM fixed synchronised OBST LGT system is in operation. Turbine tower and blades will be white in colour).	In the area of West coast 1 Wind Farm	324907.78S 0180208.77E, 324931.19S 0180207.38E, 325027.64S 0175958.76E, 325104.84S 0180029.38E, 325104.76S 0180012.85E, 325103.65S 0175958.76E, 325055.12S 0175905.18E, 325052.32S 0175851.43E, 325042S 0175839.90E, 324901.84S 0175923.62E, 324845.00 0175952.24E	460 FT AGL GND/ 914 FT AMSL	-
Wind Turbines (White in colour with night markings)	Grassridge Wind Farm	333807.58S 0253338.50E 333820.29S 0253440.75E 333952.71S 0253748.49E 334042.38S 0253615.74E 334032.92S 0253317.60E 333917.29S 0253712.74E	GND/ 1315 FT AMSL	-
Wind Turbines (Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures, until PERM fixed synchronised OBST LGT system in operation. Turbine TWR and blades white in colour).	Sere Wind Farm	312910.52S 0180447.75E, 313033.74S 0180431.48E, 313148.22S 0180527.48E, 313403.99S 0180744.64E, 312819.37S 0180921.54E.	GND/ 723 FT AMSL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind Turbines <i>(Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures, until PERM fixed synchronised OBST LGT system in operation. Turbine TWR and blades white in colour).</i>	Hopefield Farm, Umoya Energy	330540.10S 0182153.64E, 330526.16S 0182155.93E, 330500.55S 0182235.35E, 330453.91S 0182435.13E, 330524.96S 0182526.67E, 330611.80S 0182333.20E, 330614.69S 0182311E.	GND/ 625FT AMSL	-
Wind Turbines <i>(Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures, until PERM fixed synchronised OBST LGT system in operation. Turbine TWR and blades white in colour).</i>	Nobelsfontein Wind Farm	314344.2115S 0231112.2166E, 314427.7772S 0230935.6326E, 314435.4272S 0230926.8052E, 314615.0458S 0230754.1377E, 314916.6125S 0231035.3624E, 314851.2149S 0231100.3949E, 314859.8001S 0231052.0412E, 314814.6738S 0231110.635E.	GND/ 4890 FT AMSL	-
Wind Turbines <i>Four turbines with day and night markings erected</i>	Unknown	331904S 0181528E, 331901S 0181534E, 331859S 0181540E, 331856S 0181546E	GND/ 1000 FT AMSL	-
Wind Turbines <i>(Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures, until PERM fixed synchronised OBST LGT system in operation. Turbine TWR and blades white in colour).</i>	Metrowind Windfarm (Van Stadens River Mouth area)	335748.74S 0251407.06E, 335710.24S 0251500.94E, 335743.99S 0251518.87E	GND/ 1115 FT AMSL	-
Wind Turbines <i>(White with night markings)</i>	Loeriesfontein Wind Farm	302248.21S 0193432.33E 302328.66S 0193425.44E 302405.52S 0193410.71E 302600.90S 0193402.25E 302507.42S 0193352.99E 302650.37S 0193444.21E 302600.90S 0193514.03E 302514.34S 0193620.00E 302437.45S 0193716.13E 302410.67S 0193740.08E 302346.01S 0193644.30E 302324.47S 0193555.11E	GND/ 3190 FT AMSL	-
Wind Turbines <i>(Tempo OBST LGT, flashing red at random intervals will be displayed on the highest fixed point of structures, until PERM fixed synchronised OBST LGT system in operation. Turbine TWR and blades white in colour).</i>	Waainek Wind Farm	332032.49S 0262837.61E 332024.36S 0262827.12E 332017.88S 0262731.30E 331930.50S 0262808.12E 331925.74S 0262750.66E 331909.07S 0262732.25E 331857.14S 0262710.27E 331846.88S 0262646.83E	Unknown	-
Wind monitoring mast	Komas B	295019S 0171812E	345 FT AGL GND/ 1132 FT AMSL	-
Wind monitoring mast	Komas A	295043S 0171740E	345 FT AGL GND/ 1067 FT AMSL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind monitoring mast	<i>Umsobomvu</i>	312413S 0244529E	394 FT AGL GND/ 6149 FT AMSL	-
Wind monitoring mast	<i>Kapvlei, Northern Cape</i>	295052S 0172417E	345 FT AGL GND/ 1722 FT AMSL	-
Wind monitoring mast	<i>Kapvlei, Northern Cape</i>	295255S 0172034E	345 FT AGL GND/ 1526 FT AMSL	-
Wind monitoring mast <i>With night markings</i>	<i>Kapvlei 1A, Northern Cape</i>	295013S 0172236E	345 FT AGL GND/ 1856 AFT AMSL	-
Wind monitoring mast	<i>Stutterheim</i>	323354.32S 0271122.27E, 323019.31S 0271110.22E, 323017.14S 0270852.33E, 323111.98S 0271325.93E	349FT AGL GND/ 4640 FT AMSL	-
Wind monitoring mast <i>With day and night markings</i>	<i>Sutherland, Western Cape</i>	323724S 0205956E	397 FT AGL GND/ 5469 FT AMSL	-
Wind monitoring mast <i>With day and night markings</i>	<i>Schuitjies Klip Farm, Western Cape</i>	324636S 0175823E	395 FT AGL GND/ 543 FT AMSL	-
Wind monitoring mast	<i>Spitskop West 2, Eastern Cape</i>	330750S 0254454E	255 FT AGL GND/ 2614 FT AMSL	-
Wind monitoring mast	<i>Spitskop West 3, Eastern Cape</i>	330908S 0254722E	255 FT AGL GND/ 2663 FT AMSL	-
Wind monitoring mast	<i>Nauga B3</i>	293042S 0223658E	345 FT AGL GND/ 4282 FT AMSL	-
Wind monitoring mast	<i>Burchell</i>	294800S 0224540E	345 FT AGL GND/ 4688 FT AMSL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind monitoring mast	<i>Western Cape, 20.36KM S of Kleinsee</i>	295050S 0171138E	361 FT AGL GND/ 962 FT AMSL	-
Wind monitoring mast	<i>Ranger, Eastern Cape</i>	334018S 0252319E	263 FT AGL GND/ 1979 FT AMSL	-
Wind monitoring mast	<i>Haga Haga WMM2, Eastern Cape</i>	323929S 0281129E	394 FT AGL GND/ 1411 FT AMSL	-
Wind monitoring mast	<i>Haga Haga WMM3, Eastern Cape</i>	324105S 0281604E	394 FT AGL GND/ 1004 FT AMSL	-
Wind monitoring mast	<i>Highlands WMMA1, Eastern Cape</i>	324228S 0252106E	328 FT AGL GND/ 3724 FT AMSL	-
Wind monitoring mast	<i>Highlands WMMA2, Eastern Cape</i>	324247S 0251951E	328 FT AGL GND/ 3910 FT AMSL	-
Wind monitoring mast	<i>Highlands WMMC, Eastern Cape</i>	324803S 0252032E	394 FT AGL GND/ 4429 FT AMSL	-
Wind monitoring mast	<i>Highlands WMMB, Eastern Cape</i>	324452S 0252008E	394 FT AGL GND/ 4022 FT AMSL	-
Four Wind monitoring masts	<i>Morganville, Eastern Cape</i>	324002S 0281059E, 324111S 0281615E, 323945S 0281359E, 324311S 0281331E	329FT AGL GND/ 1239FT AMSL	-
Wind monitoring mast <i>Nil day and night markings</i>	<i>Uitkyk</i>	341406S 0201253E	300FT AGL GND/ 1296FT AMSL	-
Wind monitoring mast	<i>Breede River DC</i>	330736S 0200237E	328 FT AGL GND/ 2605 FT AMSL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind monitoring mast	<i>Kei Mouth</i>	324406S 0281129E	328 FT AGL GND/ 944 FT AMSL	-
Wind monitoring mast	<i>Ubuntu Wind Farm, Jeffrey's Bay</i>	335541.40S 0245429.10E	GND/ 2850FT AMSL	-
Wind monitoring mast <i>With day and night markings</i>	<i>Boesmansberg 2, Northern Cape, 18NM NE of Copperton</i>	294830S 0222809E	344 FT AGL GND/ 4281FT AMSL	-
Wind monitoring mast	<i>Komaggas, Kleinsee, Northern Cape</i>	295026S 0171733E, 295532S 0172140E	394FT AGL	-
Wind monitoring mast	<i>Kapvlei 2, Northern Cape</i>	295011S 0172413E	345FT AGL GND/ 1821FT AMSL	-
Wind monitoring mast	<i>Highlands, West of Somerset East</i>	324654.64S 0252108.17E	393FT AGL	-
Wind monitoring mast <i>With day and night markings</i>	<i>De Boom, Western Cape</i>	314349S 0181846E	263FT AGL	-
Wind monitoring mast	<i>Gnous Farm, North- West of FAUP</i>	274336S 0203406E	196FT AGL	-
Wind monitoring mast	<i>Dippenaarshoop Farm, North-East of FASS</i>	273551S 0233919E	196FT AGL	-
Wind monitoring mast	<i>Neelsvlei farm, East of FAAG, Northern Cape</i>	292640S 0192125E	196FT AGL	-
Wind monitoring mast	<i>Spioenpan farm, East of FAPK, Northern Cape</i>	294529S 0233113E	196FT AGL	-
Wind monitoring mast	<i>Rebokrant Farm, Humansdorp District, ST Francis Bay</i>	340536S 0243656E	328FT AGL	-
Wind monitoring mast	<i>Poortjies, Northern Cape</i>	292553S 0191916E	491FT AGL	-
Wind monitoring mast	<i>Boesmansberg, Northern Cape</i>	295328S 0222938E	345FT AGL	-
Wind monitoring mast	<i>Boesmansberg 1, Northern Cape</i>	295249S 0222929E	479FT AGL	-
Wind monitoring mast	<i>Vergaderingskraal Farm, Humansdorp District</i>	340329S 0243212E	328FT AGL	-
Two Wind monitoring mast	<i>Kapvlei, Northern Cape</i>	295331S 0171907E, 295332S 0171907E	349FT AGL	-

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Wind monitoring mast	<i>Paulputs, Rooikoenap, Northern Cape</i>	285642S 0194311E	394FT AGL	-
Wind monitoring mast	<i>Putsonderwater, Northern Cape</i>	291503S 0215642E	394FT AGL	-
Wind monitoring mast	<i>Hlobo Middle, Butterworth</i>	315317S 0280023E	394FT AGL	-
Wind monitoring mast	<i>Hlobo South 1, Butterworth</i>	315552S 0275531E	394FT AGL	-
Wind monitoring mast	<i>Baziya, Kungubo, Eastern Cape</i>	313219S 0282335E	321FT AGL	-
Wind monitoring mast	<i>Molteno, Groenfontein, Eastern Cape</i>	313521S 0260901E	321FT AGL	-
Wind monitoring mast	<i>Paul Puts B, Northern Cape</i>	285942S 0194840E	337FT AGL	-
Wind monitoring mast	<i>Paul Puts A, Northern Cape</i>	290114S 0194651E	337FT AGL	-
Wind monitoring mast	<i>Indwe, Eastern Cape</i>	312554S 0272036E	321FT AGL	-
Wind monitoring mast	<i>Zonnequa, Kleinsee</i>	294642S 0171417E	385FT AGL	-
Wind monitoring mast <i>Warning lights U/S.</i>	<i>Isedenge Forest, Windy Ridge</i>	324508S 0271428E	400FT AGL	-
Wind monitoring mast	<i>Quanti, Ndlovini, Eastern Cape</i>	322316S 0272542E	394FT AGL	-
☞ Wind monitoring mast	<i>Pofadder C, Northern Cape</i>	290059S 0194641E	345FT AGL	C4118/18
☞ Wind monitoring mast	<i>Scarlet Ibis, Eastern Cape</i>	334353S 0253645E	394FT AGL	C3985/18
☞ Wind monitoring mast	<i>Hlobo North, Eastern Cape</i>	315144S 0280245E	394FT AGL	C3984/18
☞ Wind monitoring mast <i>With day and night markings</i>	<i>Aletta Wind Energy Facility, Northern Cape</i>	295554S 0223214E	295FT AGL	C3717/18
☞ Two Wind monitoring mast	<i>Maralla West Energy Facility, Northern Cape</i>	324305S 0204207E, 324348S 0204618E	345FT AGL	C3306/19
☞ Wind monitoring mast	<i>Kokerboom, Northern Cape</i>	301907S 0193147E	295FT AGL	C3187/19
☞ Wind monitoring mast	<i>Pienaarspoort Alternative, Western Cape</i>	330832S 0200504E	394FT AGL	C3079/19
☞ Wind monitoring mast	<i>Pienaarspoort Preferred, Western Cape</i>	330745S 0201246E	397FT AGL	C3078/19

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
☞ Wind monitoring mast	<i>Iziduli, Emoyeni, Eastern Cape</i>	325532S 0260652E	394FT AGL	C2959/19
☞ Wind monitoring mast	<i>Fraserburg, Great Karoo, Northern Cape</i>	324928S 0204500E	328FT AGL	C2584/19
☞ Wind monitoring mast	<i>Kwagga Preferred, Western Cape</i>	325433S 0223810E	397FT AGL	C1893/19
☞ Wind monitoring mast	<i>Gromis, Springbok, Northern Cape</i>	295625S 0172057E	394FT AGL	C1632/19
☞ Wind monitoring mast	<i>Koup 2, Western Cape</i>	325009S 0222423E	394FT AGL	C1631/19
☞ Wind monitoring mast	<i>Koup 1, Western Cape</i>	325130S 0223054E	394FT AGL	C1629/19
☞ Wind monitoring mast	<i>Kliprug Farm, Humansdorp, Eastern Cape</i>	340523S 0243347E	328FT AGL	C1263/19
☞ Wind monitoring mast	<i>Msenge, Emoyeni, Eastern Cape</i>	325416S 0260602E	394FT AGL	C0718/19
☞ Wind monitoring mast	<i>Khai-Ma, Pofadder, Northern Cape</i>	292306S 0191905E	394FT AGL	C0466/19
☞ Wind monitoring mast	<i>Pofadder, Northern Cape</i>	290709S 0191649E	394FT AGL	C1763/20
☞ Wind monitoring mast	<i>Koranna-Pofadder, Northern Cape</i>	292116S 0191449E	394FT AGL	C0421/19
☞ Wind monitoring mast	<i>Komaggas, Kleinsee, Northern Cape</i>	294936S 0171730E	394FT AGL	C0458/19
☞ Wind monitoring mast	<i>Duiker Preferred, Western Cape</i>	314747S 0183123E	394FT AGL	C1722/20
☞ Wind monitoring mast	<i>Bloem Heuvel, Eastern Cape</i>	325728S 0253101E	264FT AGL	C1654/20
☞ Wind monitoring masts	<i>Hendrina, Mpumalanga</i>	260948S 0293441E, 261101S 0293417E	394FT AGL	C4507/19
☞ Wind monitoring mast	<i>Paulputs Substation, Pofadder, Northern Cape</i>	285753.05S 0194538. 46E	394FT AGL	C4318/19
☞ Wind monitoring mast	<i>151 Mist Kraal, Eastern Cape</i>	325206S 0252827E	231FT AGL	C2293/20
☞ Wind monitoring mast	<i>Ingwe Mast centre, Eastern Cape</i>	311812S 0261707E	397FT AGL	C2178/20
☞ Wind monitoring mast	<i>Ingwe Mast North, Eastern Cape</i>	311601S 0261620E	397FT AGL	C2177/20
☞ Wind monitoring mast	<i>Ingwe Mast South, Eastern Cape</i>	312159S 0261557E	397FT AGL	C1653/20
☞ Wind monitoring mast	<i>369 Andrew Truter, Eastern Cape</i>	330708S 0255103E	264FT AGL	C1648/20

<u>OBSTACLE</u>	<u>WHERE / WHEN</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
☞ Wind monitoring mast	Wesley, Eastern Cape	331752S 0271854E	331FT AGL	C1638/20

VARIOUS WARNINGS

<u>WARNING</u>	<u>WHERE</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Electric cable spanned across the Limpopo River. Cable is visible and marked with 2 red warning lights.	Limpopo River	S221308 E0290403	GND/46FT (14M) above average water level	-
Power lines spanned across the Mtentu river gorge in the Mkambati reserve. Power line sags into the gorge and crosses the gorge in North – South direction. Power line is clearly visible.	Mtentu River Gorge	S3110.8 E02955.7	GND/591 FT (180M) above water level	-
Overhead Power cable in Waterpoort gap in Soutpansberg. PSN is 700M S of the road bridge. Lower Point of the cable is at the railway line. Highest point of the cable is at the radio mast W of the ravine.	Soutpansberg	-	-	-
A Rifle shooting range is established at Grootvlei Jail.	Grootvlei Jail, Bloemfontein	Approximately 8NM South of BLV, slightly west of extended centerline of RWY02/20.	-	-
Martial Eagle Bird activity South and North of Magaliesburg.	Magaliesburg	BTN NDB 'HB' and NDB 'WR'	-	-
No aircraft operations allowed at 'Ditholo' Airstrip due to the Runway surface being unsafe.	Ditholo Airstrip, Johannesburg FIR	-	-	-
Landing strip PERM closed.	Wild Coast Sun	S310600 E0301000	-	-
Parabolic Solar Dish.	-	S265030 E0280757	-	-
Traffic is requested not to overfly the Roodeplaatdam below 1000FT AGL due to disturbance caused to wildlife on the Bona Langa Farm.	Roodeplaatdam	-	-	-
Aerodrome PERM closed.	Bethal	-	-	-
Chimney stack, marked with day and night markings, erected at Anglo Platinum Smelter near Pietersburg.	Pietersburg	S240138 E0292813	-	-
Aerodrome PERM closed.	Molteno	S312400 E0262200	-	-
Use of runway 01/19 not recommended. Pilots continuing to use the runway, do so at own discretion.	Ulusaba	-	-	-
Chimney stack erected. Nil navigational warning lights currently installed.	Consol Glass Belville, Cape Town	S335541 E0183848	GND/204 FT AGL	-
Abandoned airstrip not to be used as trenches have been dug across the runway.	Toothrock near FASD	S325900 E0175330	-	-

<u>WARNING</u>	<u>WHERE</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
Aerodrome PERM closed.	Colesberg	-	-	-
Broadcasting mast with day and NGT markings.	Radio Rosestad VC, Bloemfontein	S290330.5 E0261110.9	GND/180.4FT AGL	-
Blasting OPS Taking Place WI A 2NM Radius. MON-SAT BTN 0730-1500	Marikana Platinum Mine Opencast Pit	S254358.9027 E0272639.1728	GND/3000FT AGL	-
Mine Shaft With NGT Markings	At Impala Platinum Mine 3.5 NM N OF FARG	S253507 E0271718	GND/4360FT MSL	-
Two (2) unmarked ESKOM Pylons erected.	Rietvlei Dam	S255331 E0281916	GND/164 FT AGL	-
Stringed Power line crosses. Line marked with aeronautical marking Spheres where it crosses the valley/gorge.	Umzinkulu River Valley, North of Margate	S304124 E0302303	GND/390.4FT AGL	-
Mast WI the FAWB circuit area. With NGT markings.	FAWB circuit area	S254130 E0281008	GND/184 FT AGL	-
Two tower cranes. Nil NGT markings.	WI 2NM of FAGC AD	S255826 E0280737 and S255829 E0280736	GND/99FT AGL	-
Power lines strung OHD the Umzimkhulu river.	Umzimkhulu River	S304123 E0302302	-	-
Mast	Klipfontein, Western Cape	324436S 0210955E	269 FT AGL GND/4321FT AMSL	-
Mast	Gemini, Western Cape	323314S 0210525E	269FT AGL GND/5637FT AMSL	-
Two Masts	Linksfield Ridge, Johannesburg	261104S 0280434E, 261005S 0280556E	120 FT AGL GND/5922FT AMSL	-
Concrete Tower	Khi Thermal Plant, Upington	283213S 0210444E	689 FT AGL GND/3448FT AMSL	-
Sentech Mast No warning lights	Holy Cross Along R61 road	310827.73S 0292925.97E	851FT AGL GND/4196FT AMSL	-
Radio Mast With night markings	Along Zandrivier	245730S 0313701E	99FT AGL GND/1150FT AMSL	-
Crane With day and night markings	Corner of Simon Vermooten and Bronkhorstspruit roads Willowbrae AH	254422S 0281955E	99 FT AGL GND/4464FT AMSL	-
Pilgrims Rest AD License withdrawn	Pilgrims Rest AD	244705S 0304732E	N/A	-

<u>WARNING</u>	<u>WHERE</u>	<u>CO-ORDINATES</u>	<u>HEIGHT</u>	<u>REFERENCE</u>
☞ 2 Antennas	Namas TMM3, Zonnequa TMM4, Kleinsee, Northern Cape	295024S 0171335E, 294649S 0171629E	394FT AGL	C2946/19
☞ Mast with warning lights	Red Cap Nuweveld West, Beaufort West, Western Cape	314837S 0222802E	394FT AGL	C0192/20
☞ Mast with warning lights	Red Cap Nuweveld North, Beaufort West, Western Cape	314519S 0222343E	394FT AGL	C0191/20
☞ Mast with warning lights	Red Cap Nuweveld East, Beaufort West, Western Cape	315338S 0222556E	394FT AGL	C0189/20
☞ Mast with warning lights	Red Cap Nuweveld West, Beaufort West, Western Cape	314837S 0222802E	394FT AGL	C0192/20



DIRECTOR OF CIVIL AVIATION